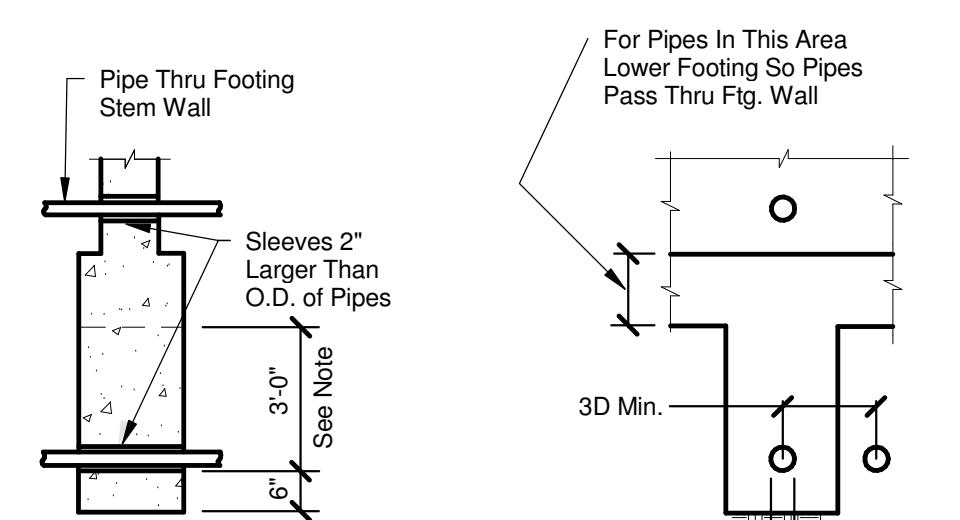


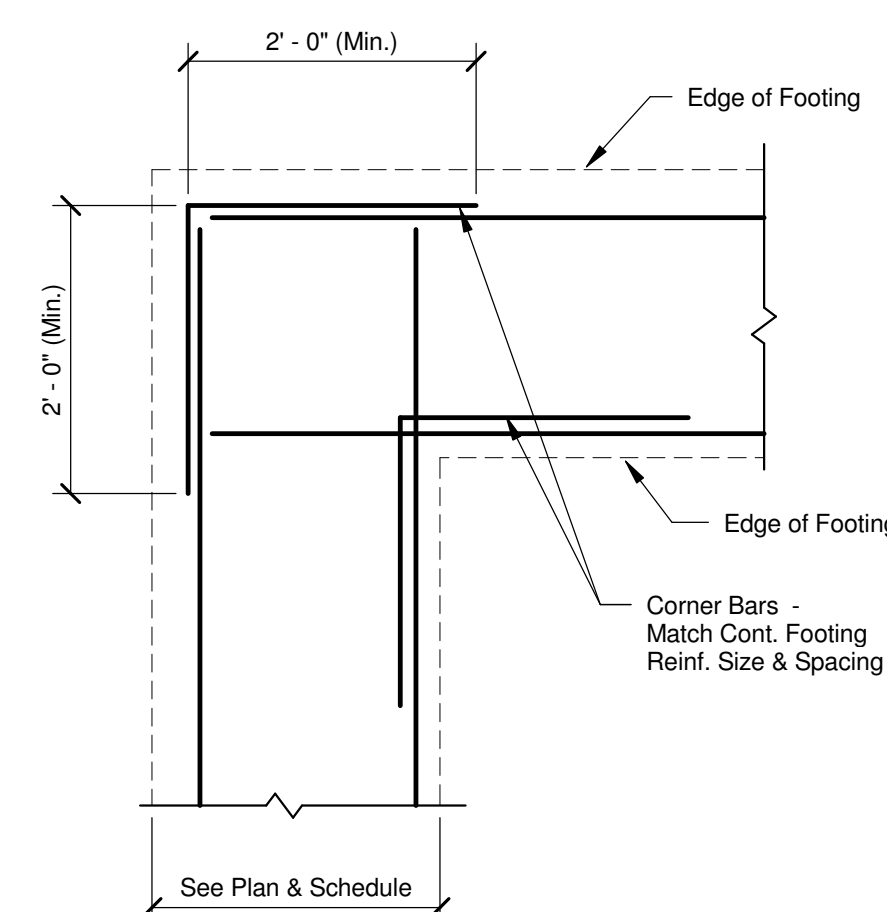
1 Slab-on-Grade Details



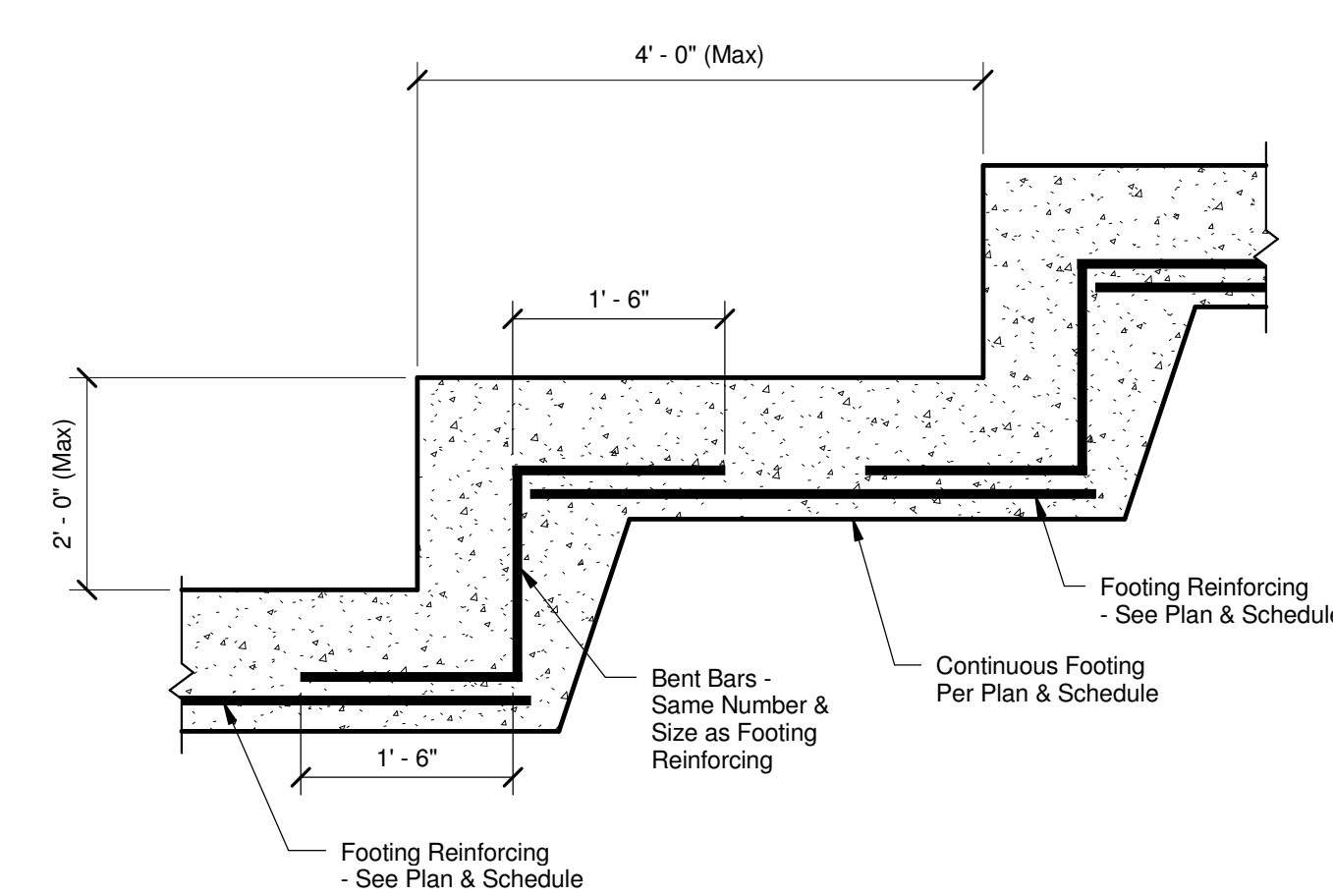
Note: For Pipes 3'-0" or Less Below Ftg, Provide Sleeve and Concrete as Shown; More Than 3'-0" of Compact Backfill Over Pipe as Approved by Soils Engineer, or Use Stepped Footing Below Pipe. Where Pipes Cross Under and are More Than 3' Below, the Ftg's Shall be Stepped if the Following Exists:

- a) Multiple Pipes Where the Spacing Betw. is < 3 Times the Diameter of the Larger Pipe Size.
- b) Pipes 24" Diameter or Larger.

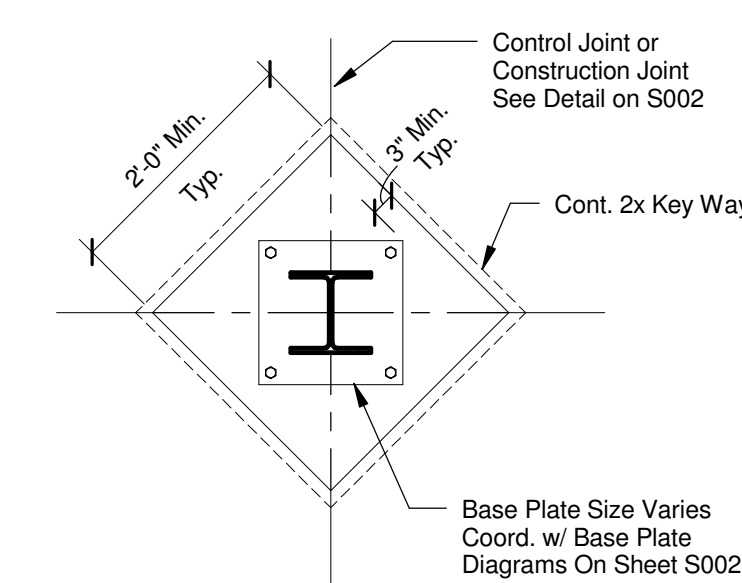
2 Pipe @ Footing Detail
3/4" = 1'-0"



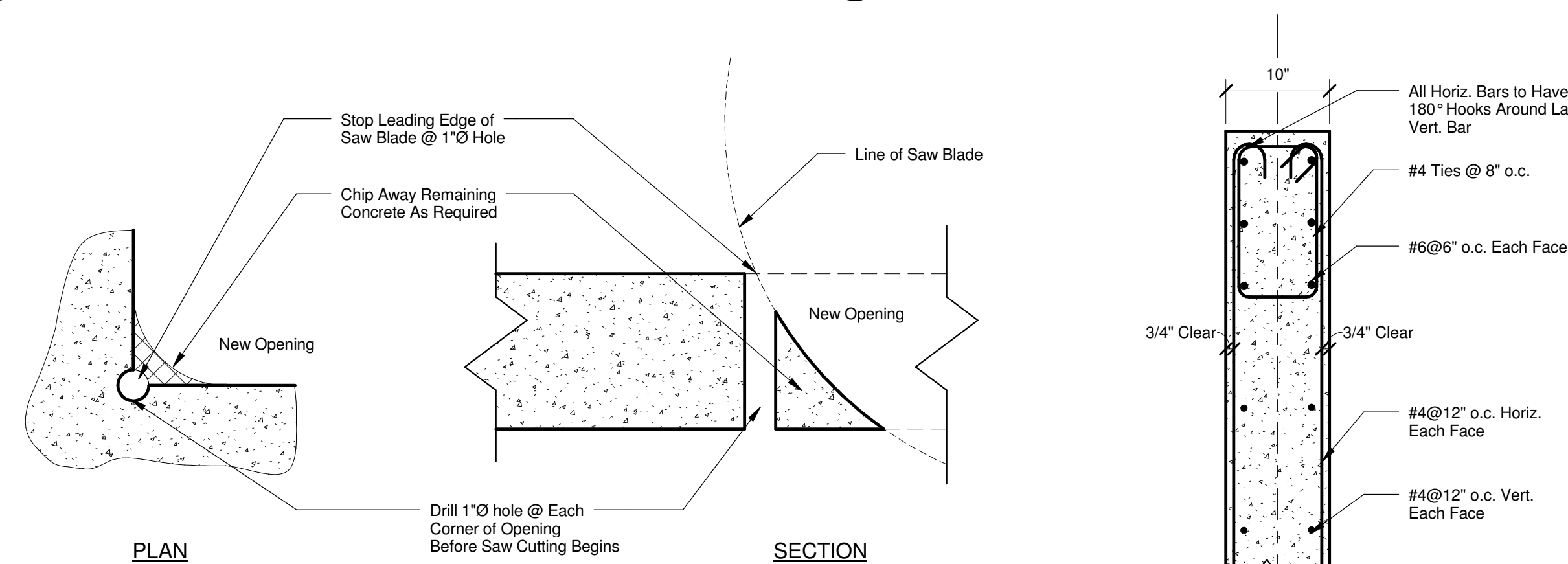
3 Typ. Cont. Corner Footing Detail
3/4" = 1'-0"



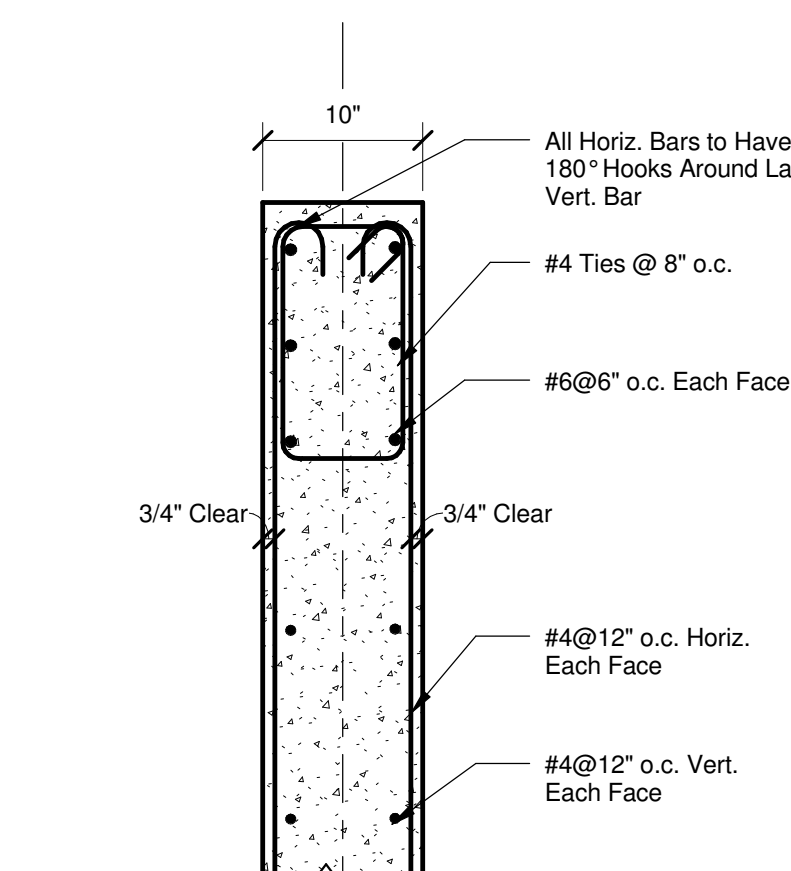
4 Typical Footing Step Detail
3/4" = 1'-0"



5 Cold Joint Block-Out
1/2" = 1'-0"



6 Sawcut Detail @ Exist. Concrete
3" = 1'-0"



7 Shear Wall Jamb Detail
1" = 1'-0"

WALL SCHEDULE					
Type	Width	Horizontal Reinforcing	Vertical Reinforcing	Material	Remarks
CW1	0' - 10"	See 7/S-101	See 7/S-101	Fc = 3000psi	
CW2	0' - 8"	#4 @ 12" o.c.	#4 @ 12" o.c.	Fc = 3000psi	
	1' - 0"	#4 @ 16" o.c. Each Face	#5 @ 12" o.c. Each Face	Fc = 3000psi	

FOOTING SCHEDULE						
Type	Length	Width	Depth	Reinforcing Longitudinal	Reinforcing Transverse	Remarks
F132A	11'- 0"	11'- 0"	1'- 6"	(10) #6 x 10'-6"	(10) #6 x 10'-6"	Top & Blt
F22B / 84	19'- 0"	7'- 0"	2'- 0"	(7) #5 x 18'-6"	(19) #5 x 6'-6"	Top & Blt

[illegible]

CONSULTANTS:

Allen & Hoshall
since 1915

ARCHITECT/ENGINEERS:

brg3sarchitects

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Memphis, Tennessee 38103
t 901.260.9600
f 901.521.1337
w brg3s.com**

	DRAWING TITLE
--	---------------

Typical Details

SCALE: As indicated

APPROVED PROJECT DIRECTOR:

PROJECT TITLE:

VA BUILDING 1A ENTRANCE EXPANSION

	LOCATION: VAMC, Memphis, Tennessee

DATE: Jan. 27, 2014

CHECKED:
ARS

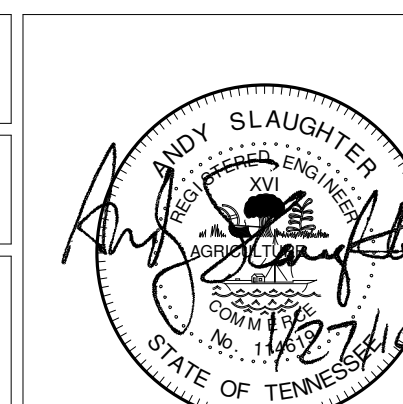
DRAWN:
JTS

PROJECT NUMBER:
614-318

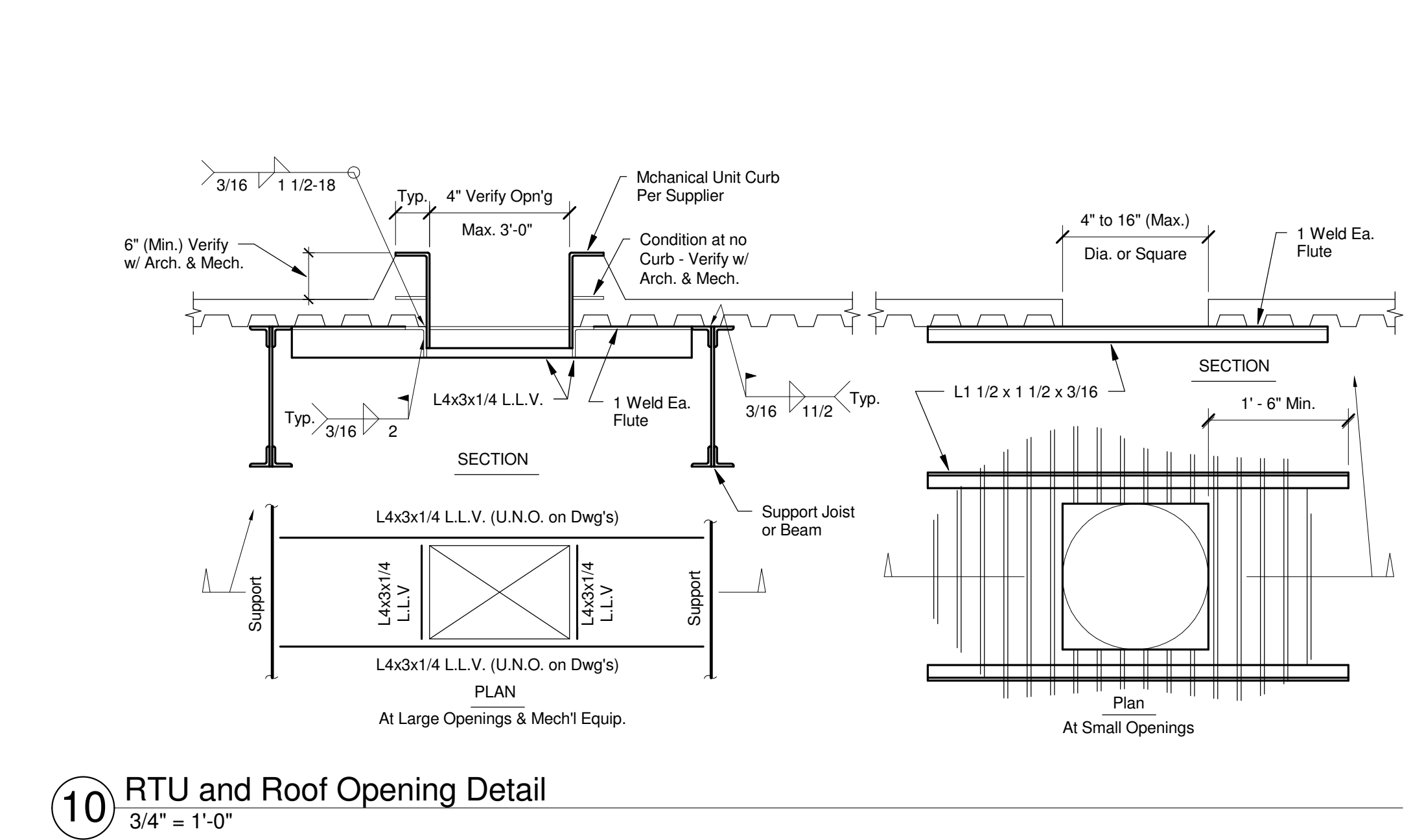
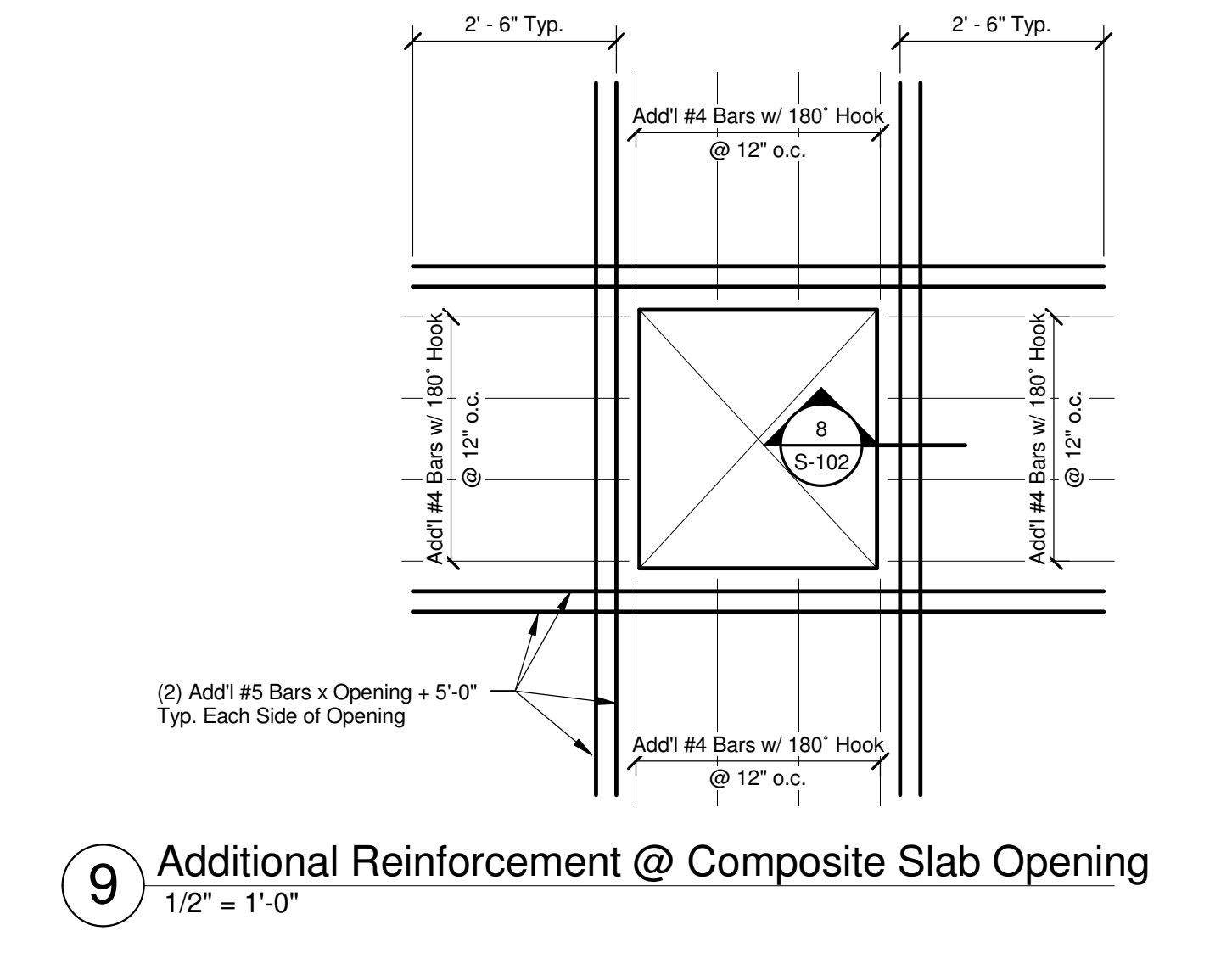
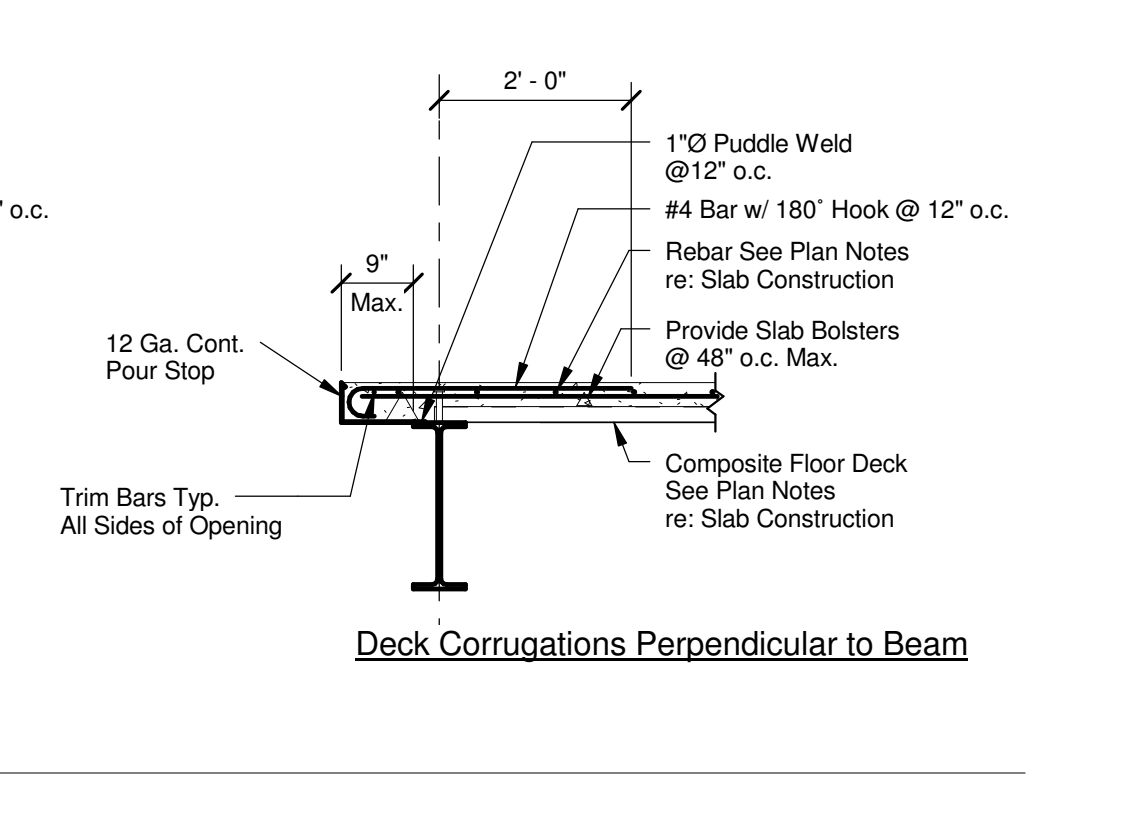
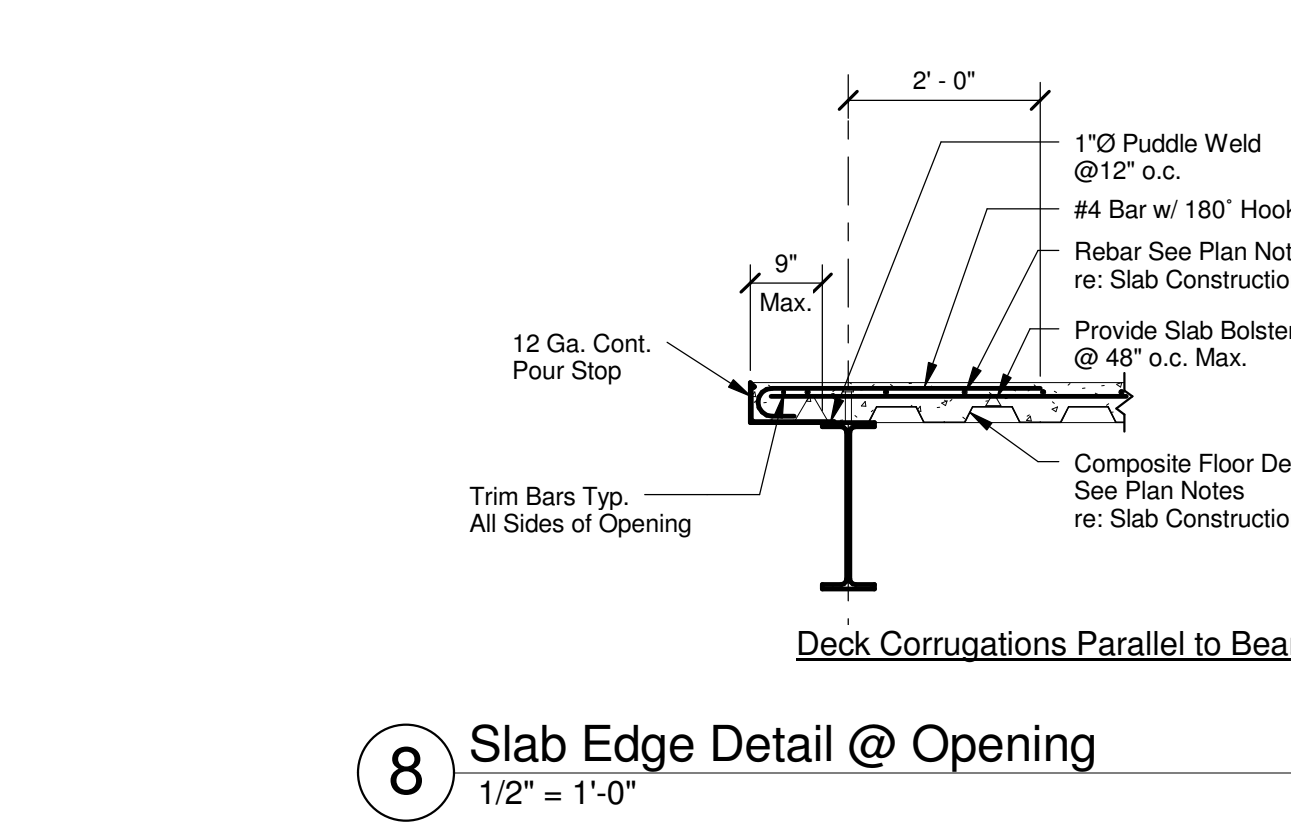
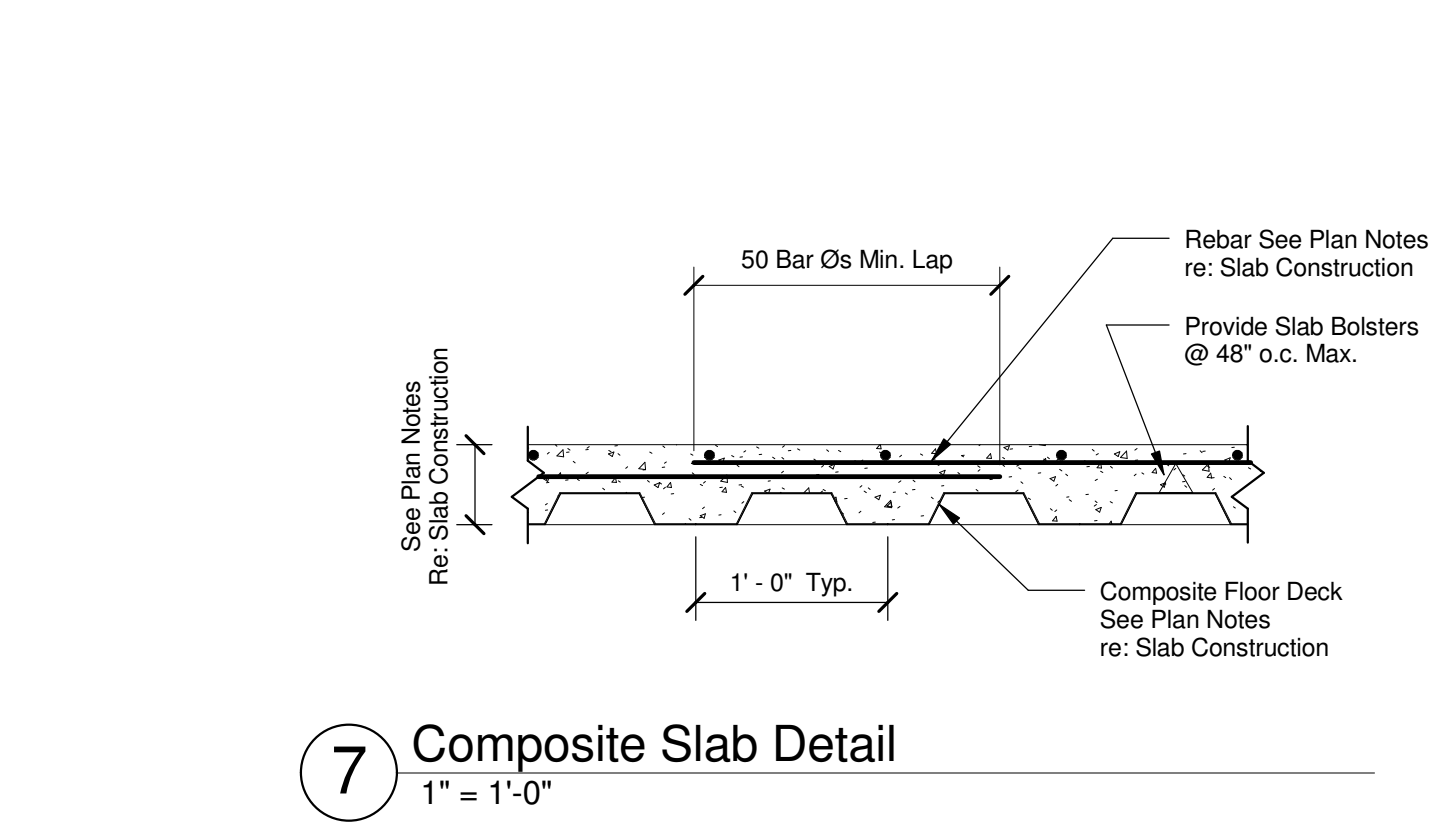
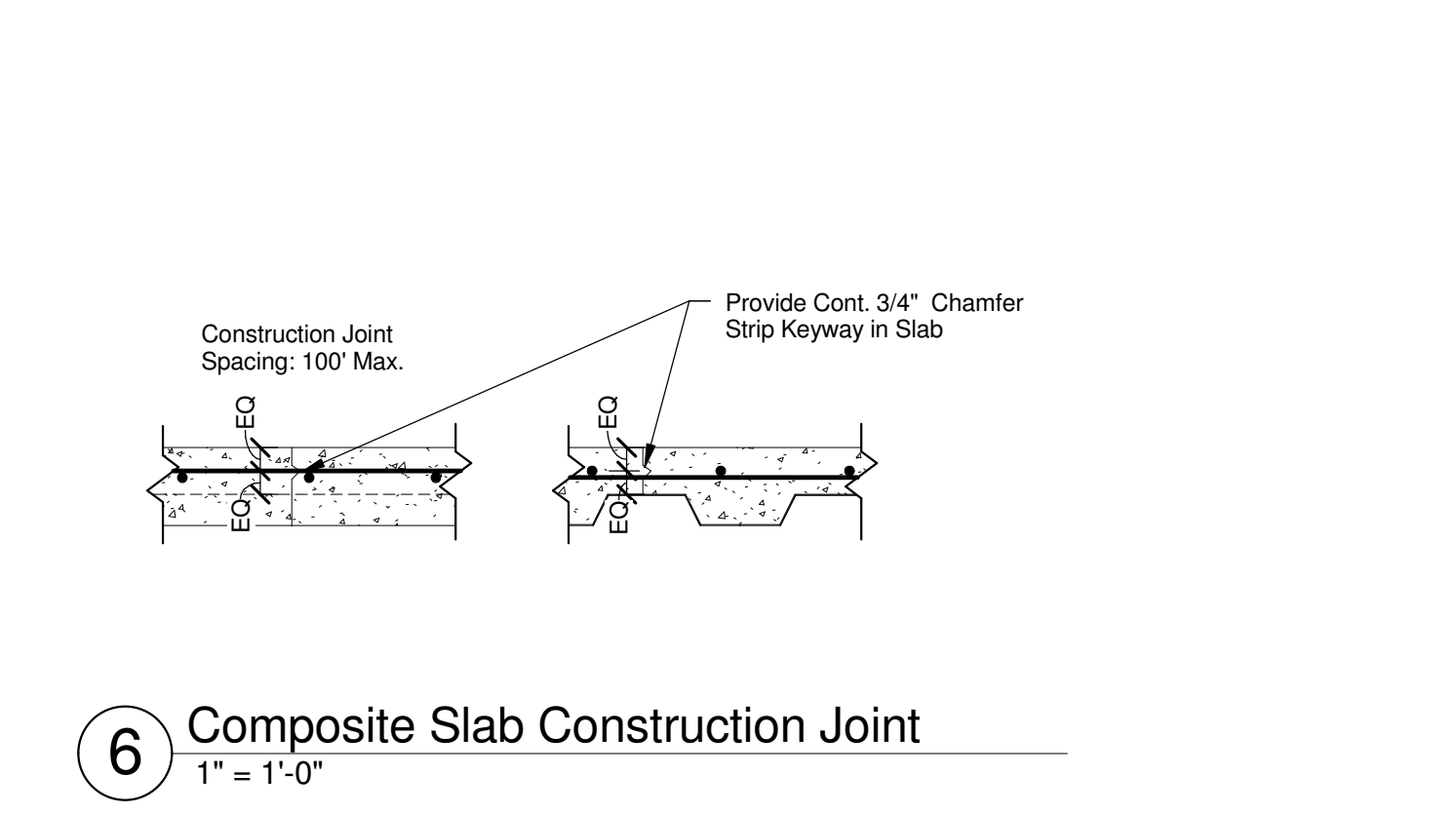
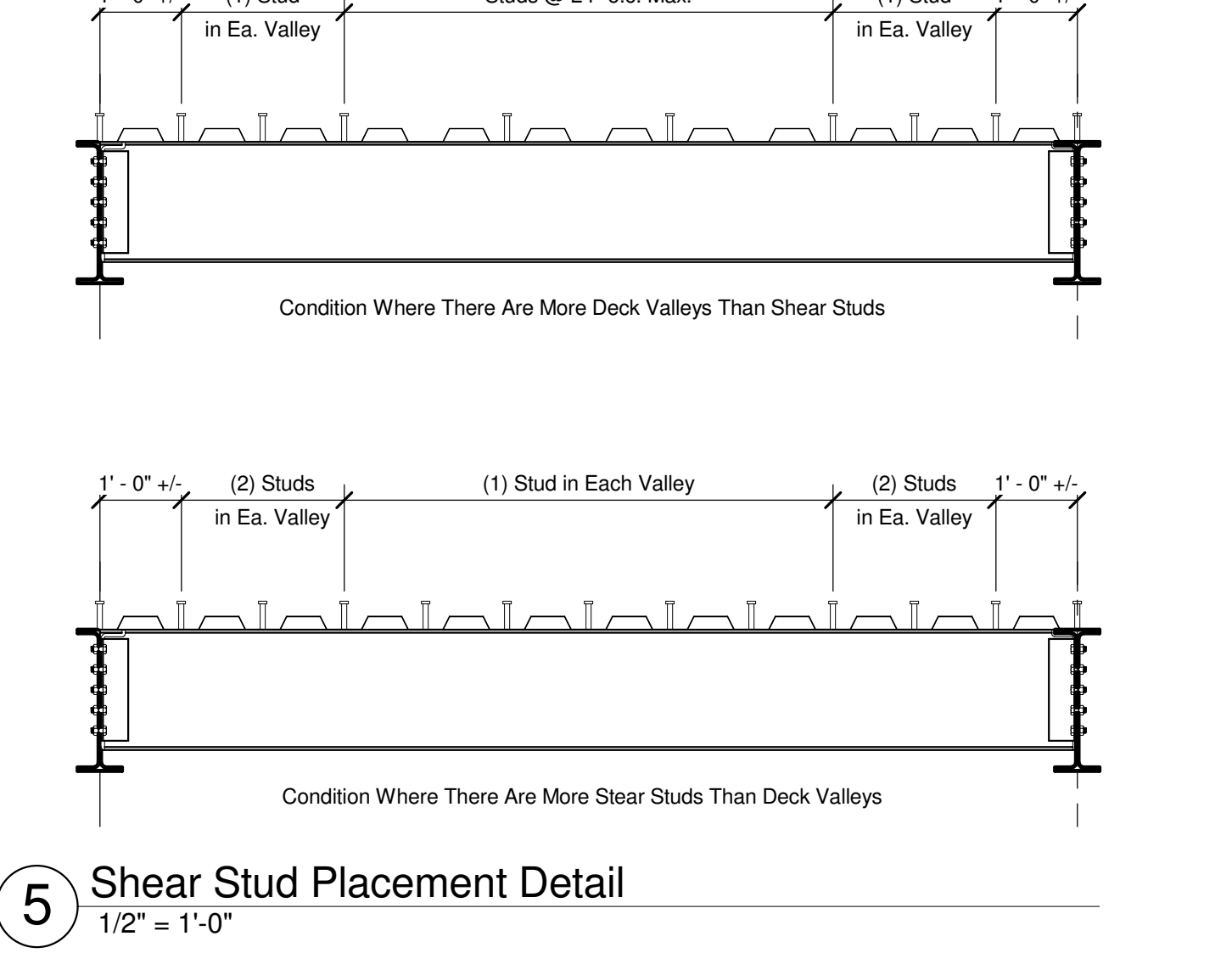
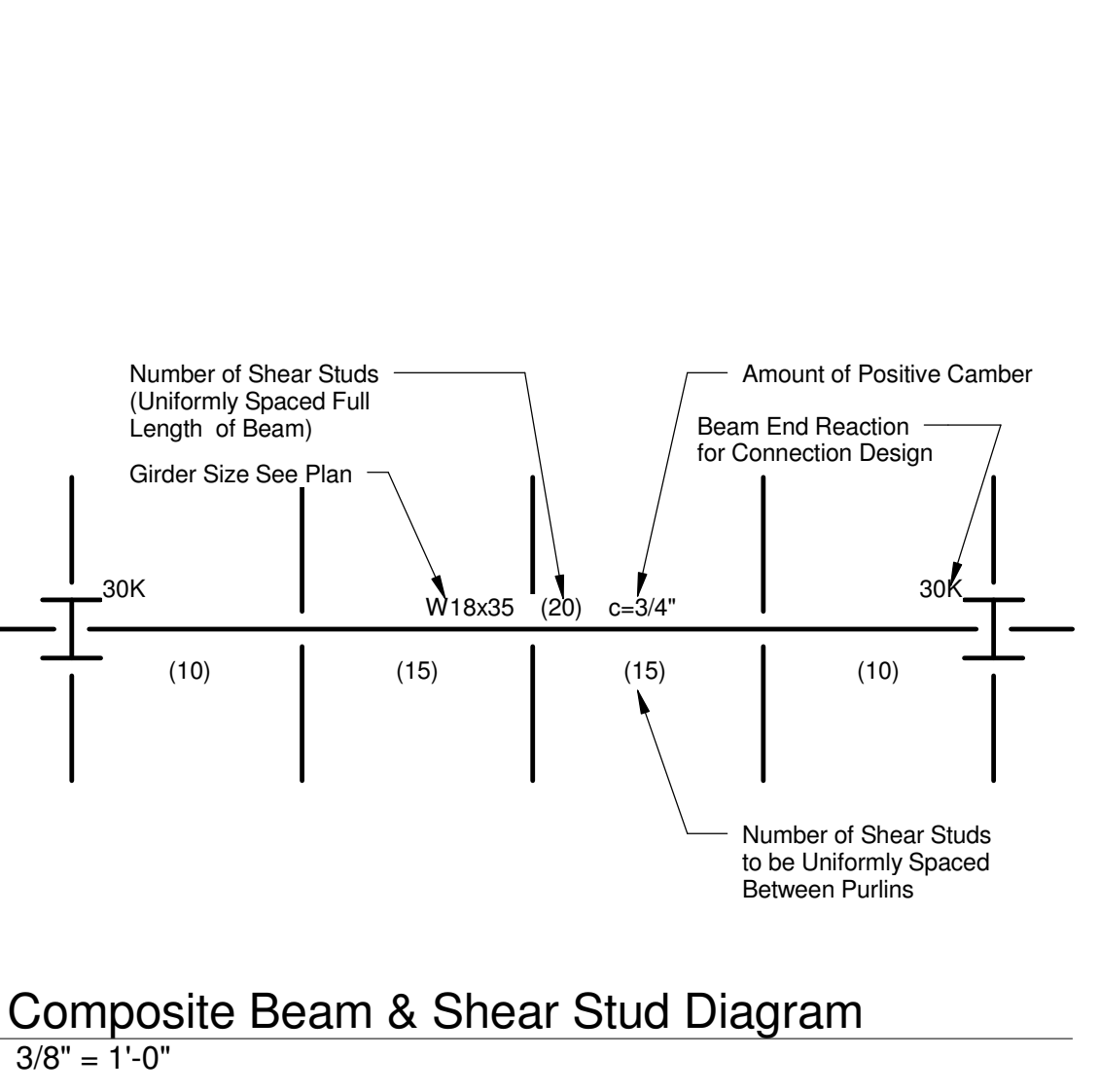
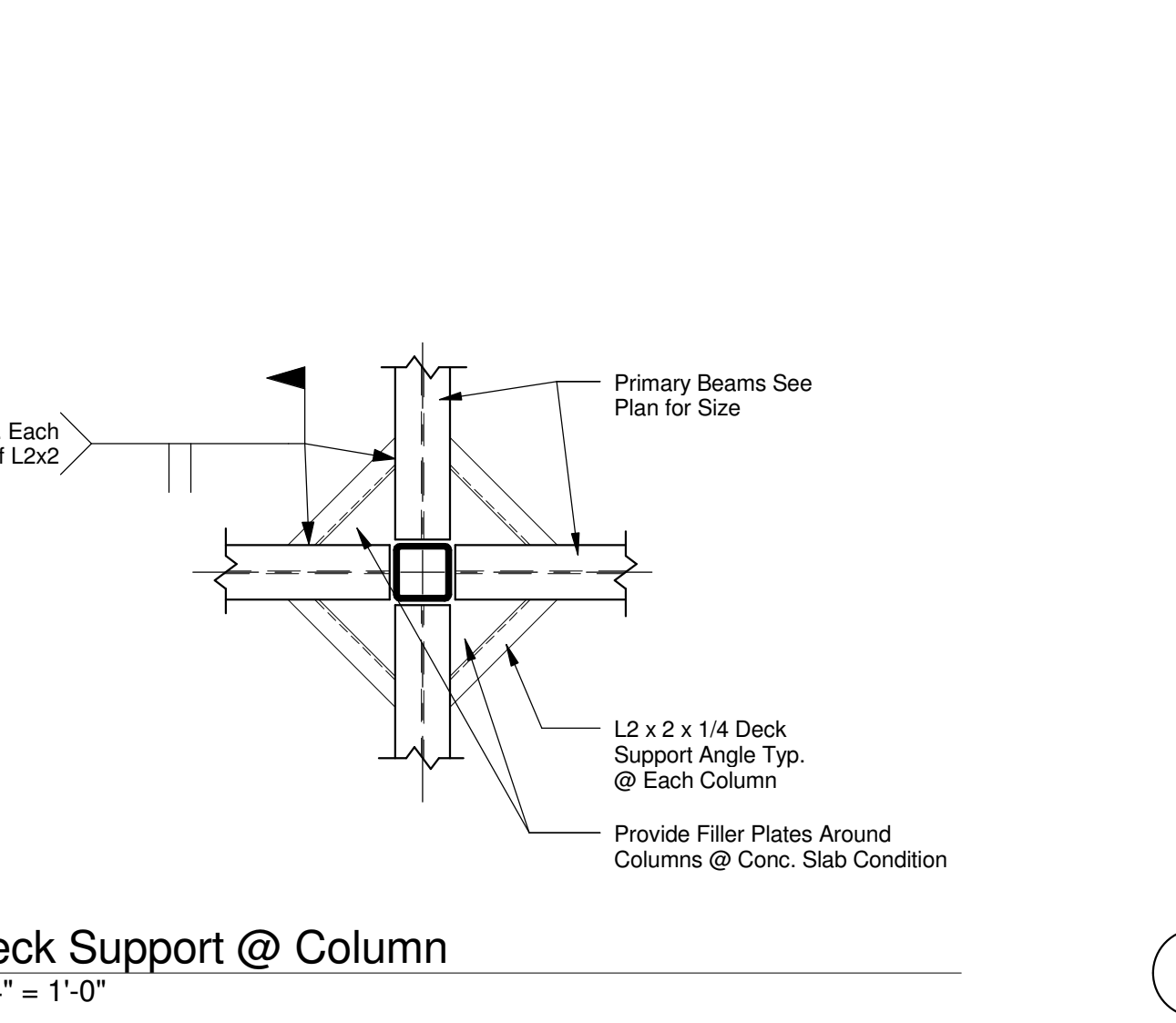
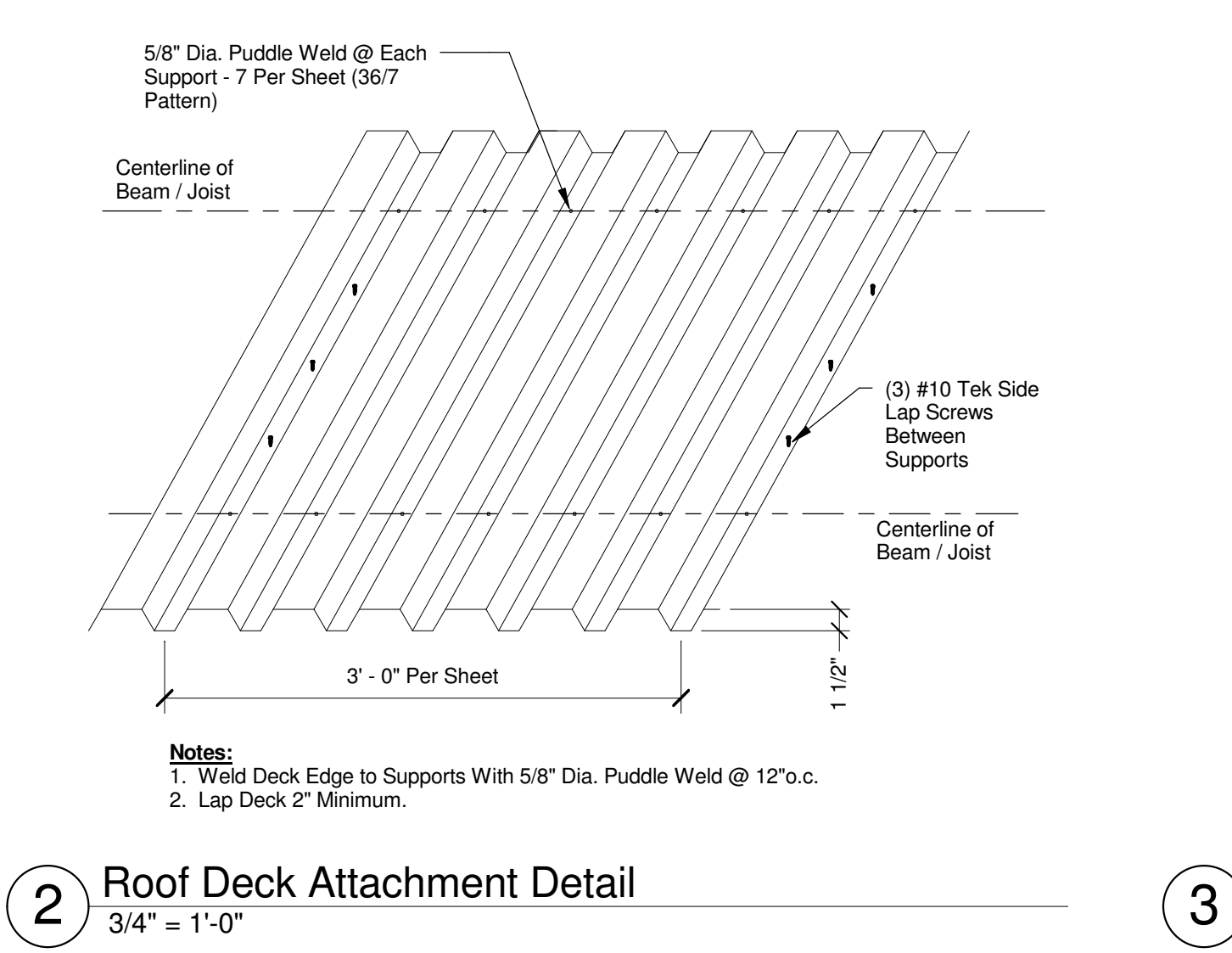
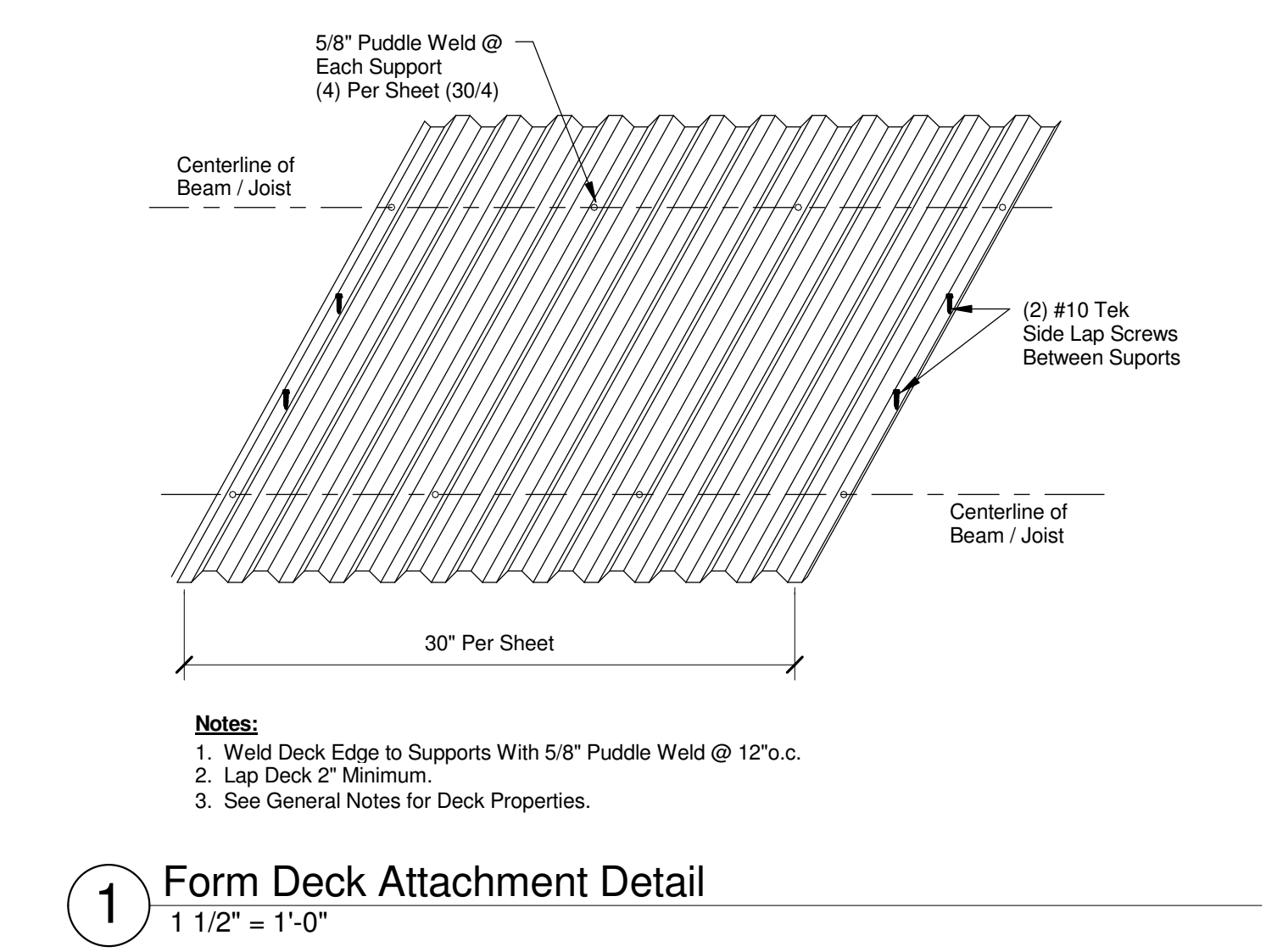
BUILDING NUMBER:
1A

DRAWING NUMBER:
S-10

DWG	OF
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A
three inches = one foot
1
one and one half inches = one foot
6
B
2
one inches = one foot
6
C
2
three quarters inch = one foot
6
D
4
one half inch = one foot
0
E
4
three eight inch = one foot
0
F
4
one quarter inch = one foot
0
1
8
0
4
0
1
8
0
4
0



		CONSULTANTS:		ARCHITECT/ENGINEERS:		DRAWING TITLE: Typical Details		PROJECT TITLE: VA BUILDING 1A ENTRANCE EXPANSION		PROJECT NUMBER: 614-318			
		Allen&Hoshall since 1915		brg3s architects		119 S. Main Street Suite 200 Memphis, Tennessee 38103 t 901.260.9600 f 901.521.1337 w brg3s.com		BUILDING NUMBER: 1A		DRAWING NUMBER: S-102			
						SCALE: As indicated		LOCATION: VAMC, Memphis, Tennessee		DWG. OF			
Revisions:		Date:				APPROVED PROJECT DIRECTOR:		DATE: Jan. 27, 2014		CHECKED: ARS			DRAWN: JTS

TIE CONFIGURATIONS

2'-0"

1'-0"

1'-0"

4

S-302

1'-4"

2" Ctr. Typ.

K.1

1'-2"

K

Drill & Epoxy Adhesive, Ties 6" Min. into Exist. Protective Pier

4

3' - 0"

1' - 4"

Column Pier

10"

8"

8"

10"

6" Drill & Epoxy

Cut / Chip Portion of Exist. Precast Bearing to Allow Installation of New Conc. Pier

Assumed Exist. Ledger for Precast Bearing F.V.

(4) #5 Vert.

#3@10" o.c.

9 1/2"

Exist. 1' - 1"

Precast Bearing

G.1

Exist. 1' - 6"

Shear Wall

G

6" Drill & Grout

5

5-306

Figure 10: Typical Detail of Existing Grade Beam and Drill Pier. The diagram illustrates a cross-section of a foundation. A central square drill pier is shown with a 2-inch diameter. It is surrounded by a 7 1/2-inch square area, which is further enclosed by an 8-inch square area. The entire assembly is set within a larger 11-inch by 2-inch rectangular area. A 1-inch by 2-inch deep concrete cantilever base is shown at the top, with #5 @ 12-inch spacing of reinforcement bars extending into the existing grade beam. The diagram is labeled with dimensions and callouts for 'Exist. Tie Beam', 'Exist. Grade Beam', and 'Exist. Drill Pier'.

Diagram K.1 shows a plan view of a rectangular structure. The overall dimensions are 11'-0" by 2'-8". The structure is divided into three sections by two vertical lines, with dimensions of 9" and 9" for the outer sections and 1'-6" for the central section. The structure is labeled "K.1" and "3". The structure is shown within a dashed circular boundary. The structure is labeled "2" Ctr. Typ." and "K.1".

Technical drawing of a square base for a column. The base is a square with a side length of 1' - 6". It features a central square with a diagonal cross and four circular holes at the corners. The drawing includes dimensions, a center line, and a note "2" Ctr. Typ."

Plan view of the existing shear wall and foundation. The wall is 1'-0" wide and 1'-6" high. The foundation is 1'-0" wide and 1'-4" high. The wall is labeled "Exist. Shear Wall" and "K.9". The foundation is labeled "2" Ckr. Typ." and "2 3-302". The wall is shown with a cross-section line 2-2.

Technical drawing of a rectangular plate. The plate has a width of 1' - 10" and a height of 1' - 10". The drawing shows a top-down view of the plate with a central rectangular area containing a grid of small circles. A dashed line labeled 'K.9' points to the left edge of the plate. A dashed line labeled '4.8' points to the top edge of the plate. The dimensions are indicated by arrows and text: 1' - 10" for the width and 1' - 10" for the height. The central area is labeled 'K.9' and '4.8'.

[illegible][illegible]

Diagram showing a section view of a concrete pier and existing concrete pier. The pier is labeled "Concrete Pier. See Plan for Type and Schedule for Size and Reinforcing". The existing concrete pier is labeled "Existing Concrete Pier". The pier is shown with reinforcement bars (rebar) and a concrete core. The existing concrete pier is shown with a cross-hatched pattern. The diagram includes labels for various components: "Existing Drilled Pier", "Concrete Pier", "Existing Concrete Pier", and "Reinforcing".

Concrete Pier. See Plan for Type and Schedule for Size and Reinforcing

Existing Drilled Pier

G.2

G.1

G

[illegible]

1

Contractor to Provide Deep Foundation System to Support Column Load Shown on Plan

1.3

Concrete Pier. See Plan for Type and Schedule for Size and Reinforcement

8" Typ.

H.2

H

Cut Concrete Wall as Necessary to Place New Pier

18 Enlarged Plan
1" = 1'-0"

CONSULTANTS:

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since 1915

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brg3sarchitects

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DRAWING TITLE:
Concrete Pier Layouts

SCALE: As indicated

APPROVED PROJECT DIRECTOR

PROJECT TITLE:
VA BUILDING 1A ENTRANCE
EXPANSION

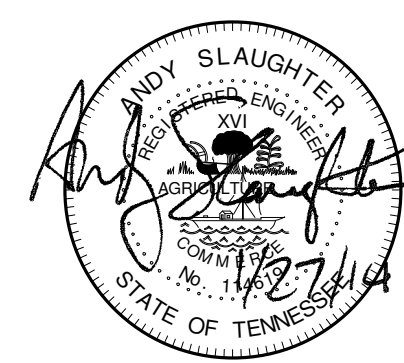
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DATE: Jan 27 2014	CHECKED: ARS

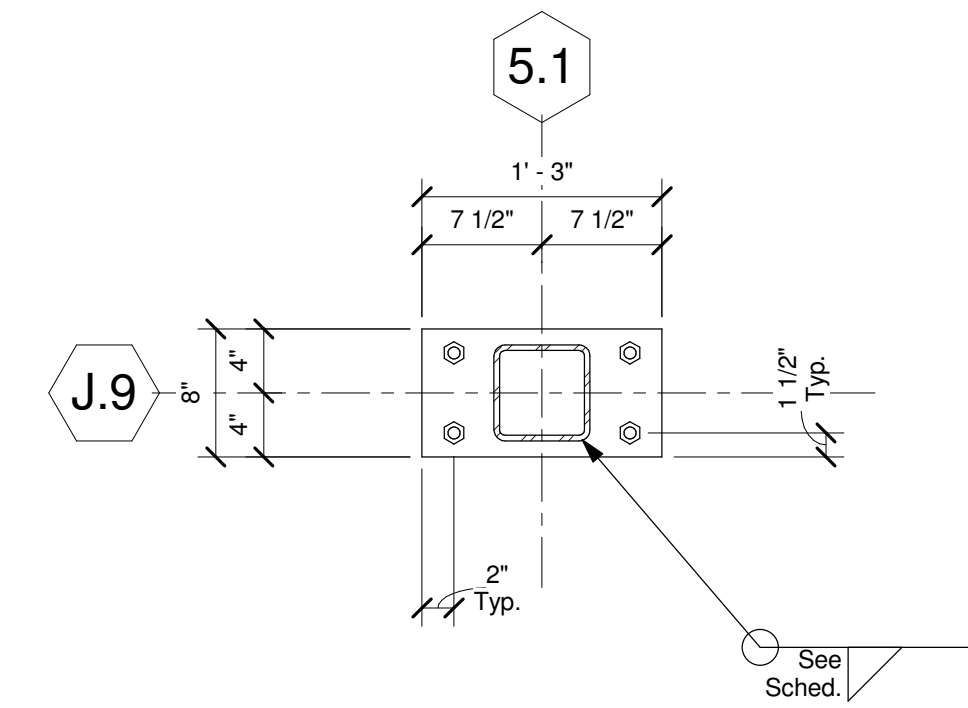
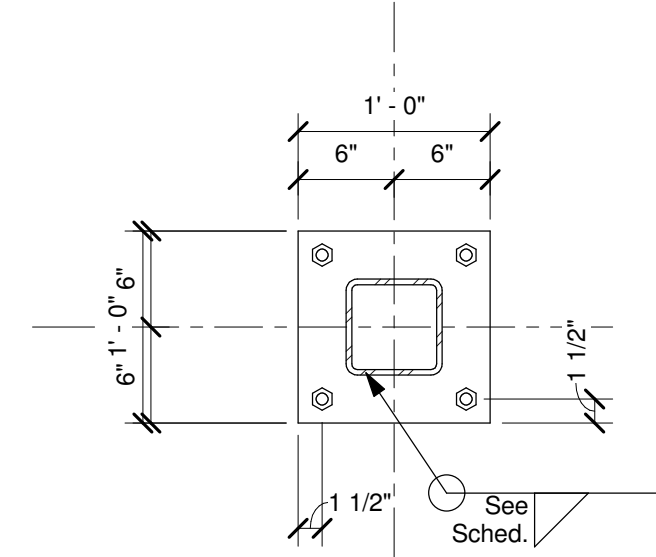
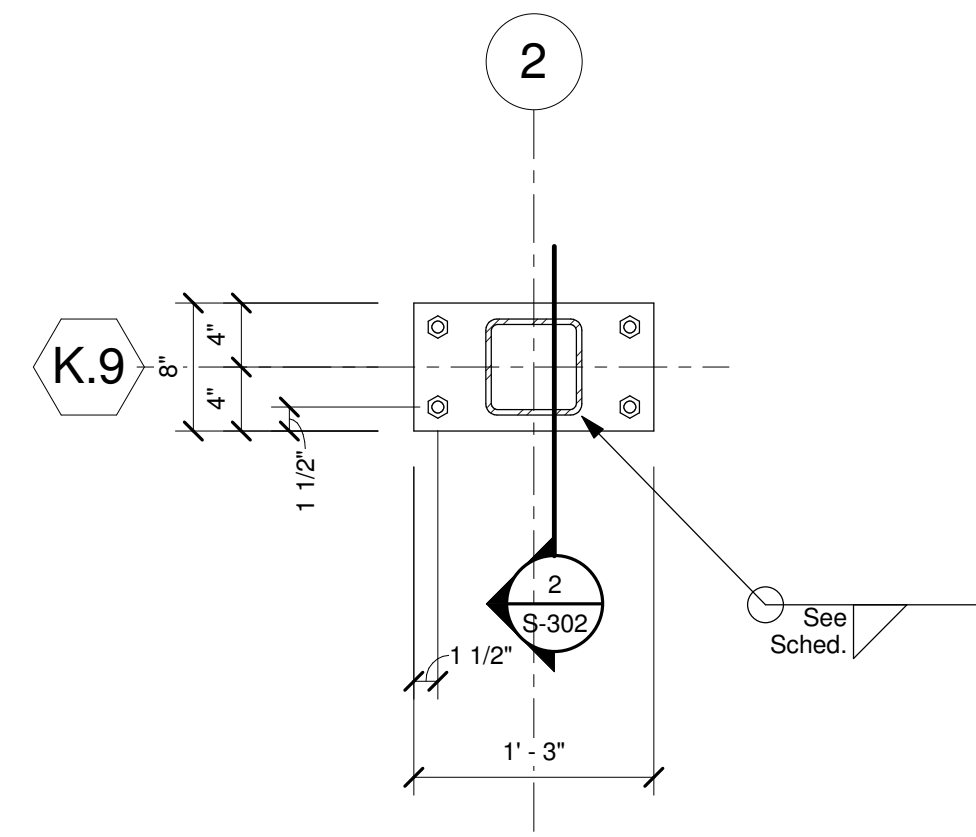
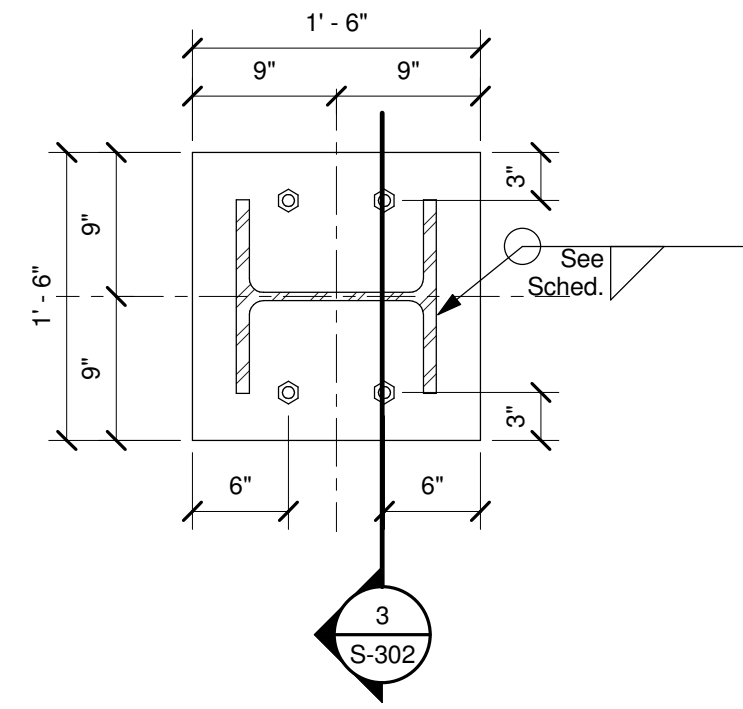
PROJECT NUMBER:
614-318

BUILDING NUMBER:
1A

DRAWING NUMBER:
S-103

DWG. OF



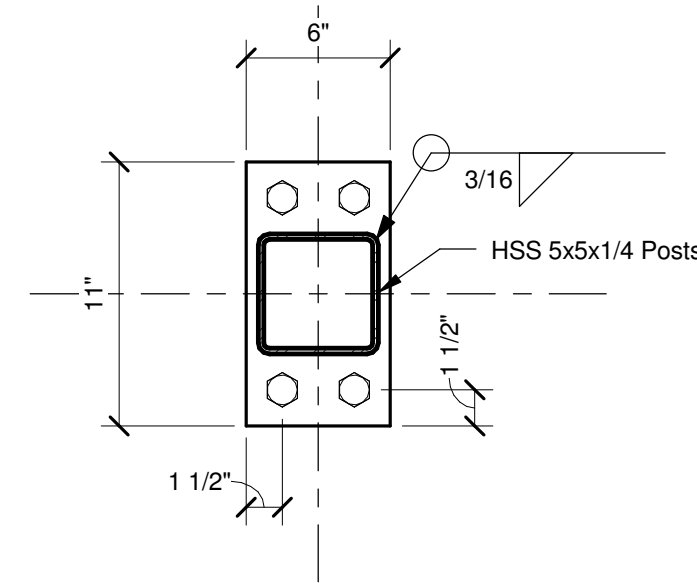
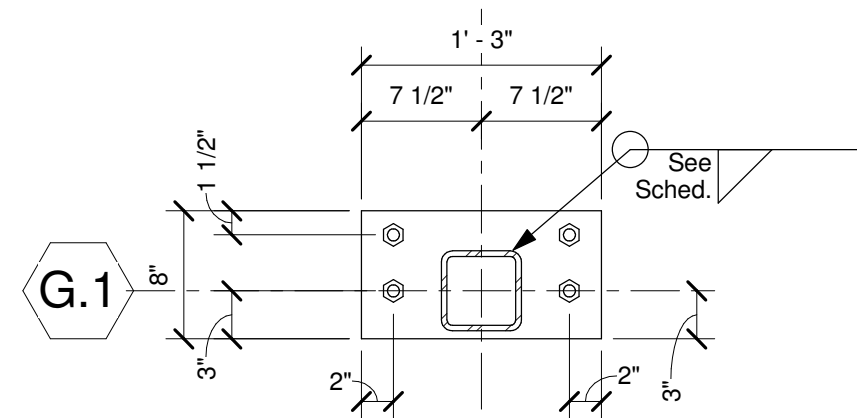


2 Base Plate BP2 Layout
1" = 1'-0"

3 Base Plate BP3 Layout

4 Base Plate BP4 Layout
1" = 1'-0"

5 Base Plate BP5 Layout
1" = 1'-0"



6 Base Plate BP6 Layout

7 Base Plate BP7 Layout
1 1/2" = 1'-0"

[illegible]

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DRAWING TITLE:
Column Base Plate Layouts

SCALE: As indicated

APPROVED PROJECT DIRECTOR:

VA BUILDING 1A ENTRANCE
EXPANSION

LOCATION: **11110**

VAMC, Mempo

DATE:
Jan 27, 2014

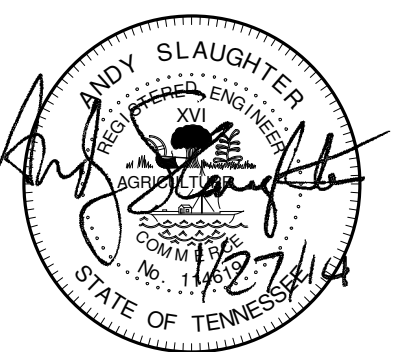
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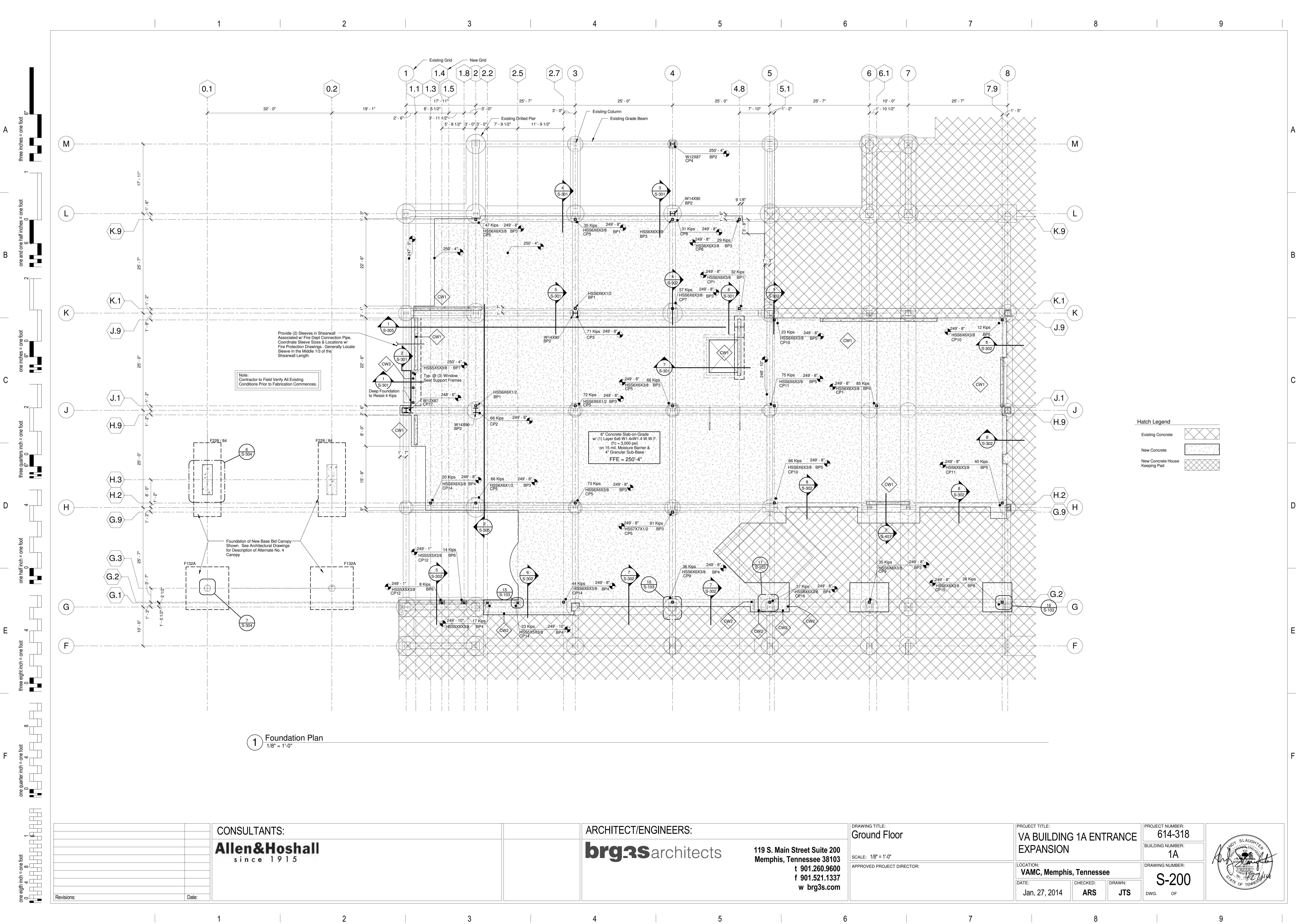
DRAWN: ITS

BUILDING NUMBER:
1A

DRAWING NUMBER:

S-104





①

1. Pile types, quantities, and locations are schematic and for estimating purposes only. Final pile design and layout shall be the responsibility of the pile supplier. Design must be performed by an engineer licensed in the state of Tennessee.

4. Deep foundation loads shown on plan are based on ASCE 7-05 Allowable Stress Design load combinations.

1. Shear Wall. Deep Foundation System Required to Resist Vertical Reactions (Up & Down) @ Each End and Horizontal Reactions, All of Which Are Noted on Plan. (7 Locations)

1. **Shear Wall:** Deep Foundation System Required to Resist Vertical Reactions (Up & Down) @ Each End and Horizontal Reactions, All of Which Are Noted on Plans. (7 Locations)
2. **New Column Bearing on Existing Grade Beam:** But Not at or Near an Existing Drilled Pier, Deep Foundation System Shall Resist All Vertical Loads. No Uplift. (6 Locations)
3. **Short Posts for "Window Seat":** All Posts sit on a Grade Beam (New) That Needs Support at One End, Other End Coincides with End of Shear Wall, So That End's Load Can Be Resisted by Shear Wall Foundation. (1 Location, See Detail C-10301 & C-2350 of the New Pier & Stabilize It, Possibly in Combination with Under Pinned Existing Grade Beam. (6 Locations)
4. **New Column + Concrete Pier @ Existing Drilled Pier:** But Column "Hangs Off" Edge of Existing Grade Beam. Deep Foundation System Needed to "Catch The Edge" of the New Pier & Stabilize It, Possibly in Combination with Under Pinned Existing Grade Beam. (6 Locations)
5. **New Column + Pier Still Fully on Existing Grade Beam and Column Footprint is Within Footprint of Existing Drilled Pier:** Thus No New Deep Foundation System is Required. (14 Locations)

Revisions

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Memphis, Tennessee 38103

Deep Foundation Plan

APPROVED PROJECT DIRECTOR:

VA BUILDING 1A ENTRANCE

VAMC, Memp

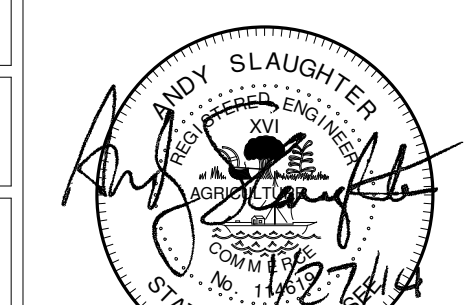
ARS

ITS

614-318

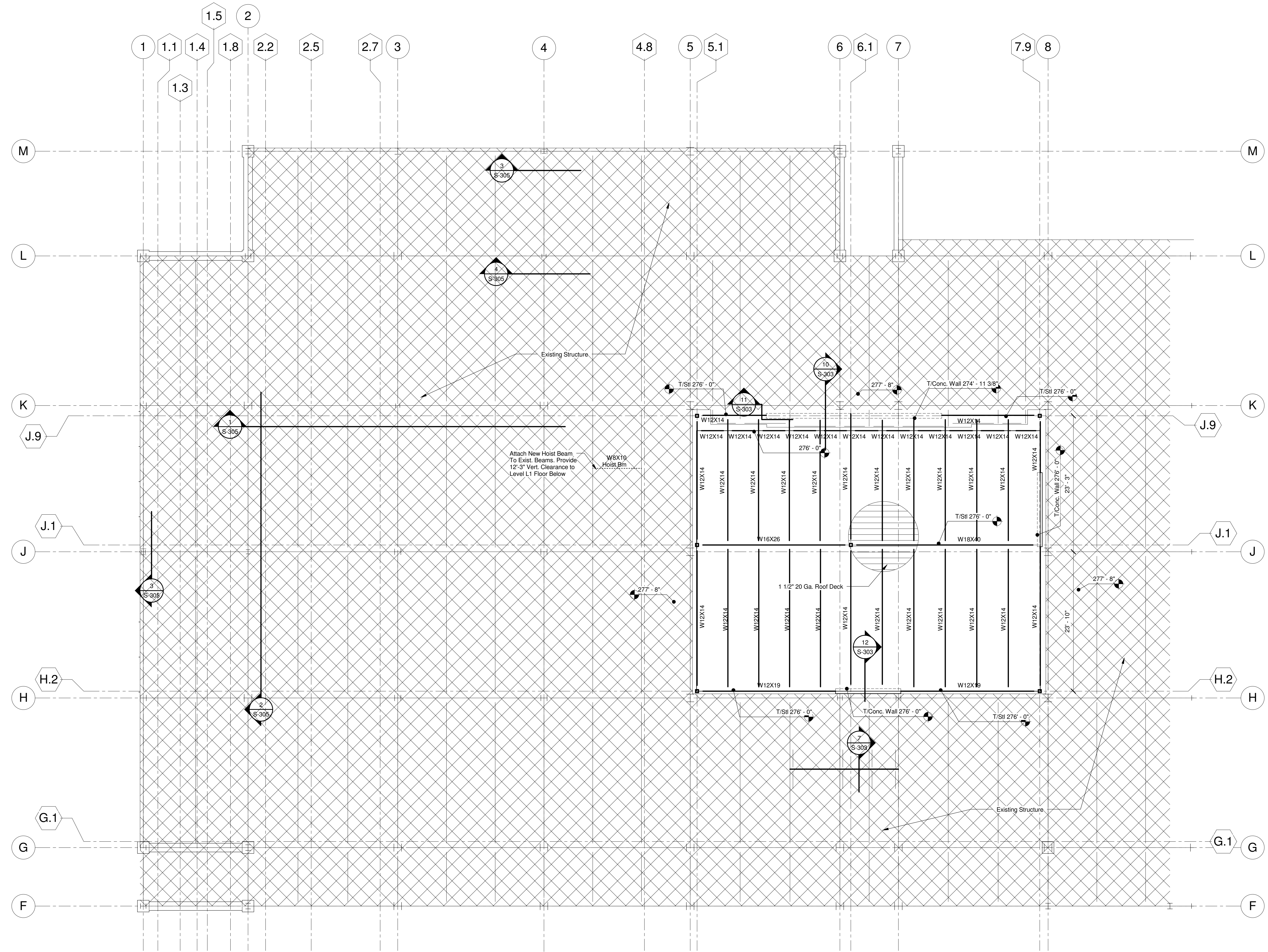
DRAWING NUMBER:

DWG	OF
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CONSULTANTS:	
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three inches = one foot
1
one and one half inches = one foot
6
2
one inches = one foot
6
0
C
three quarters inch = one foot
6
0
2
D
one half inch = one foot
0
4
E
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one quarter inch = one foot
0
4
1
8
one eighth inch = one foot
0
4
8



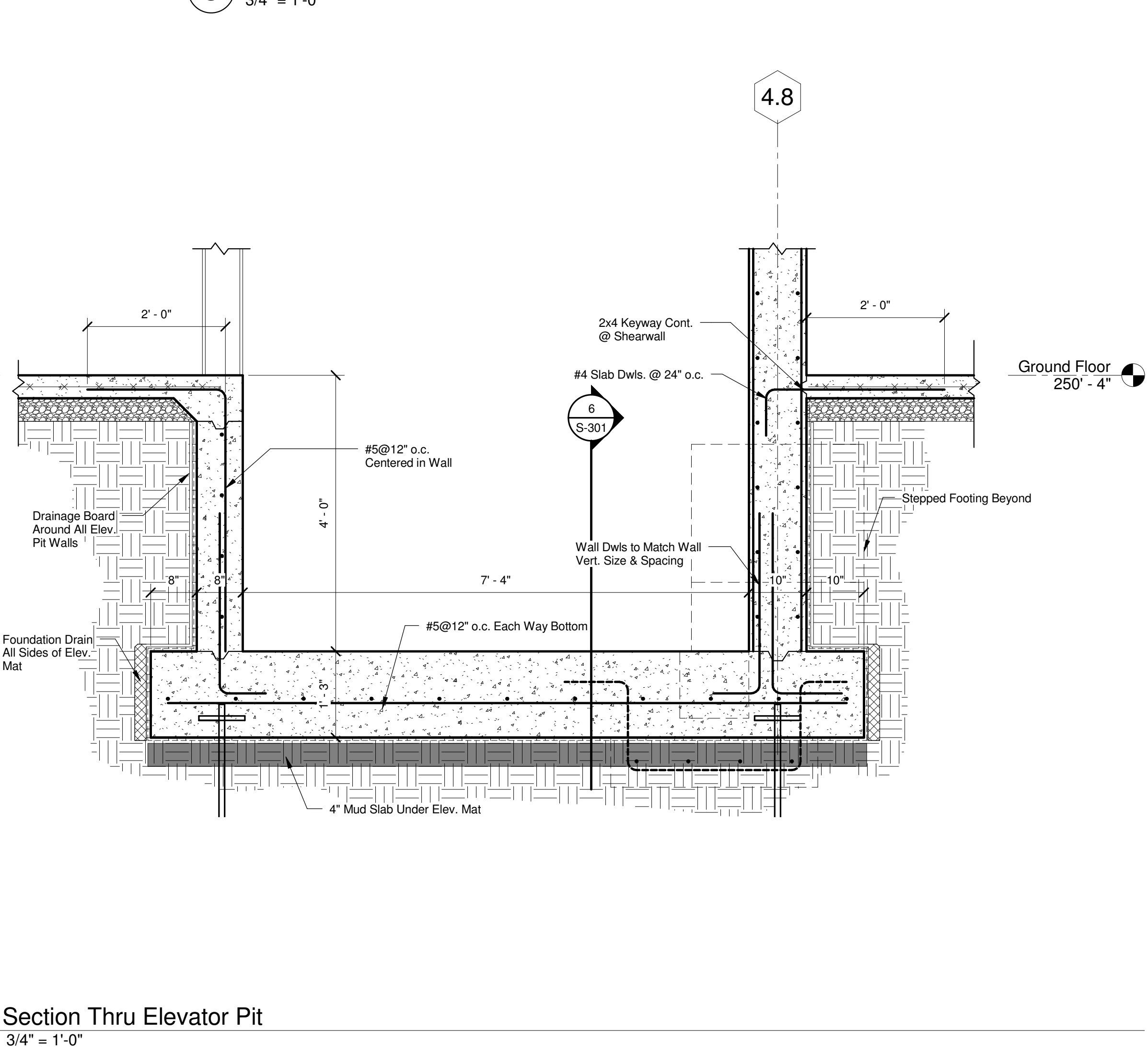
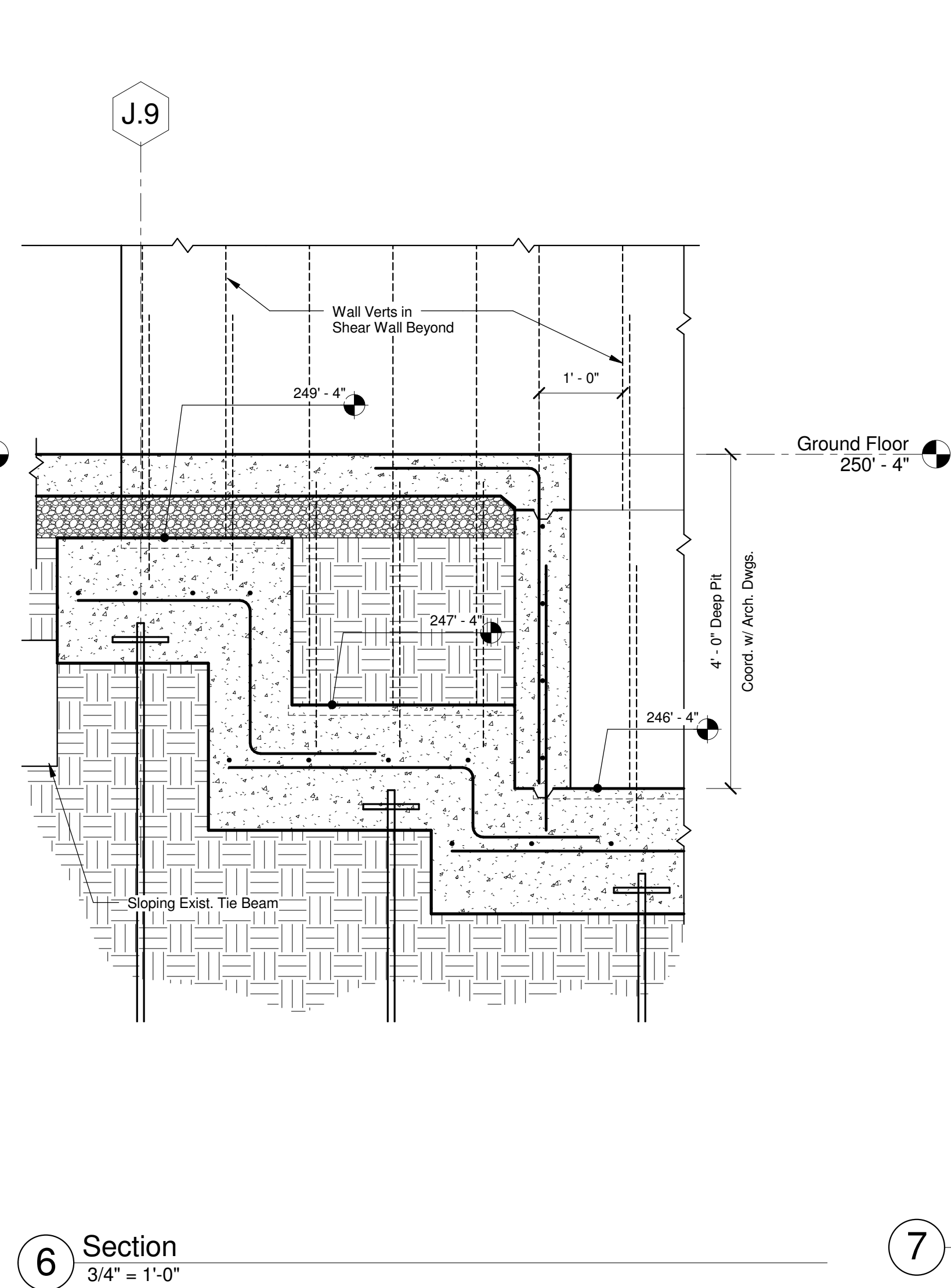
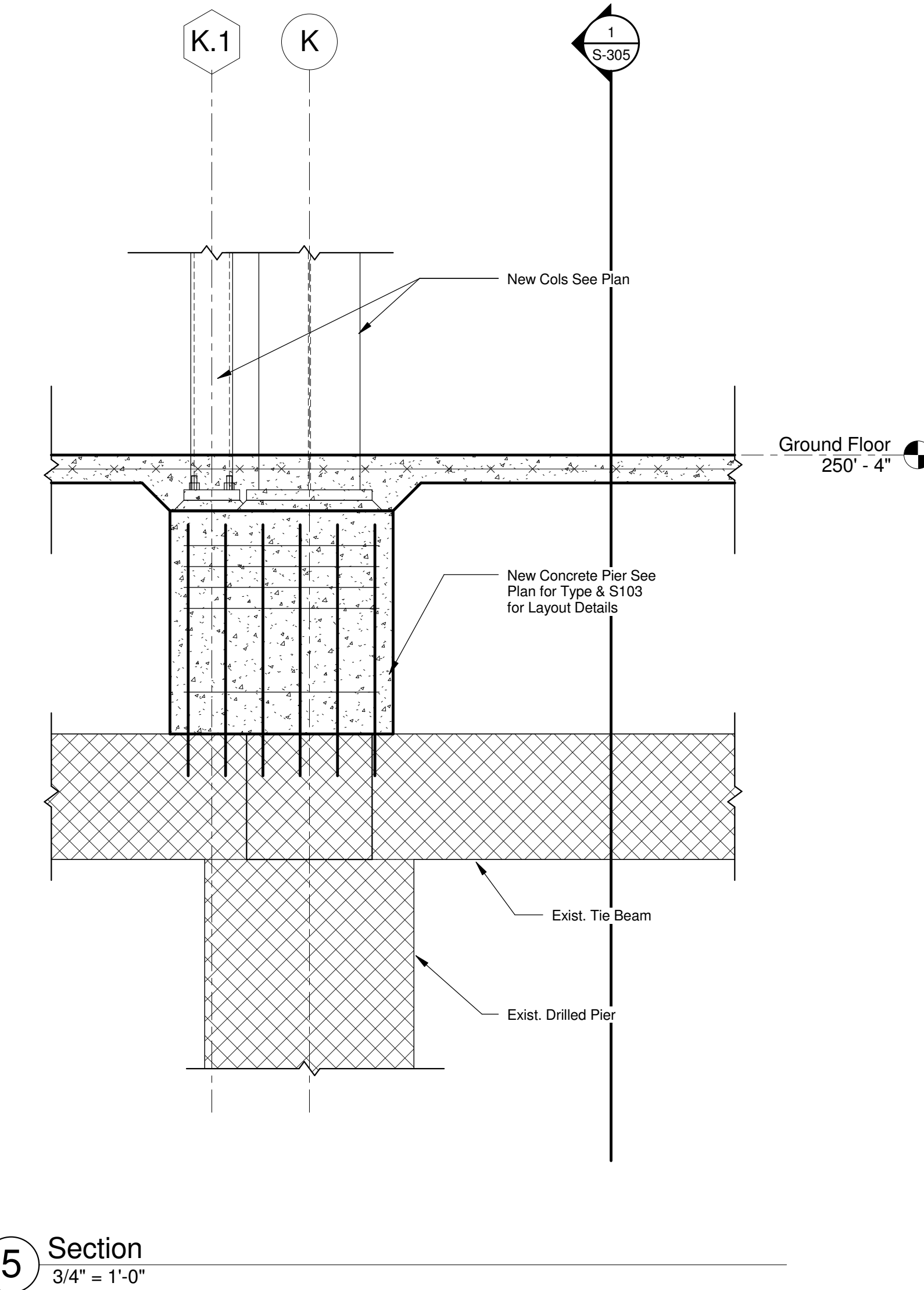
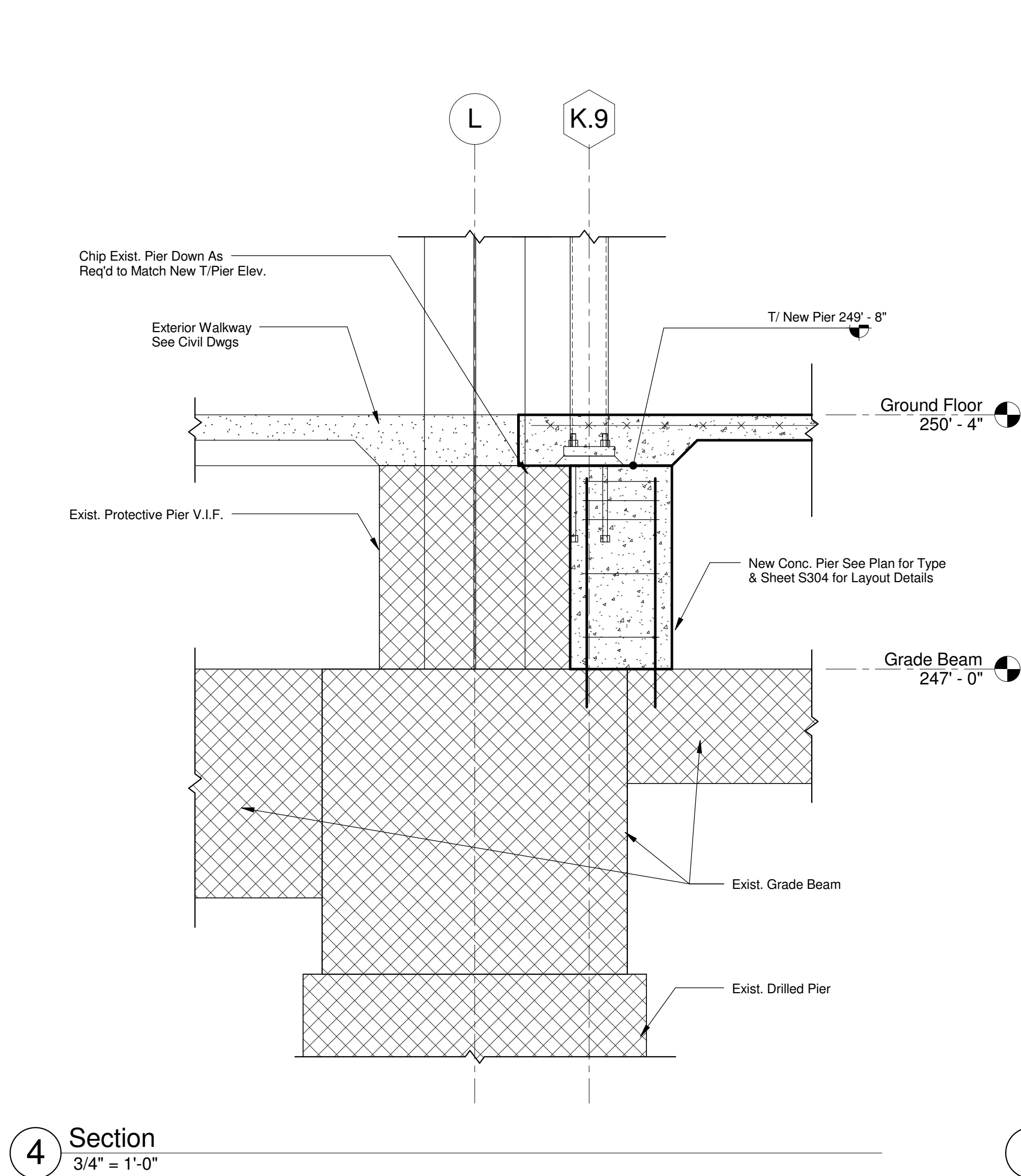
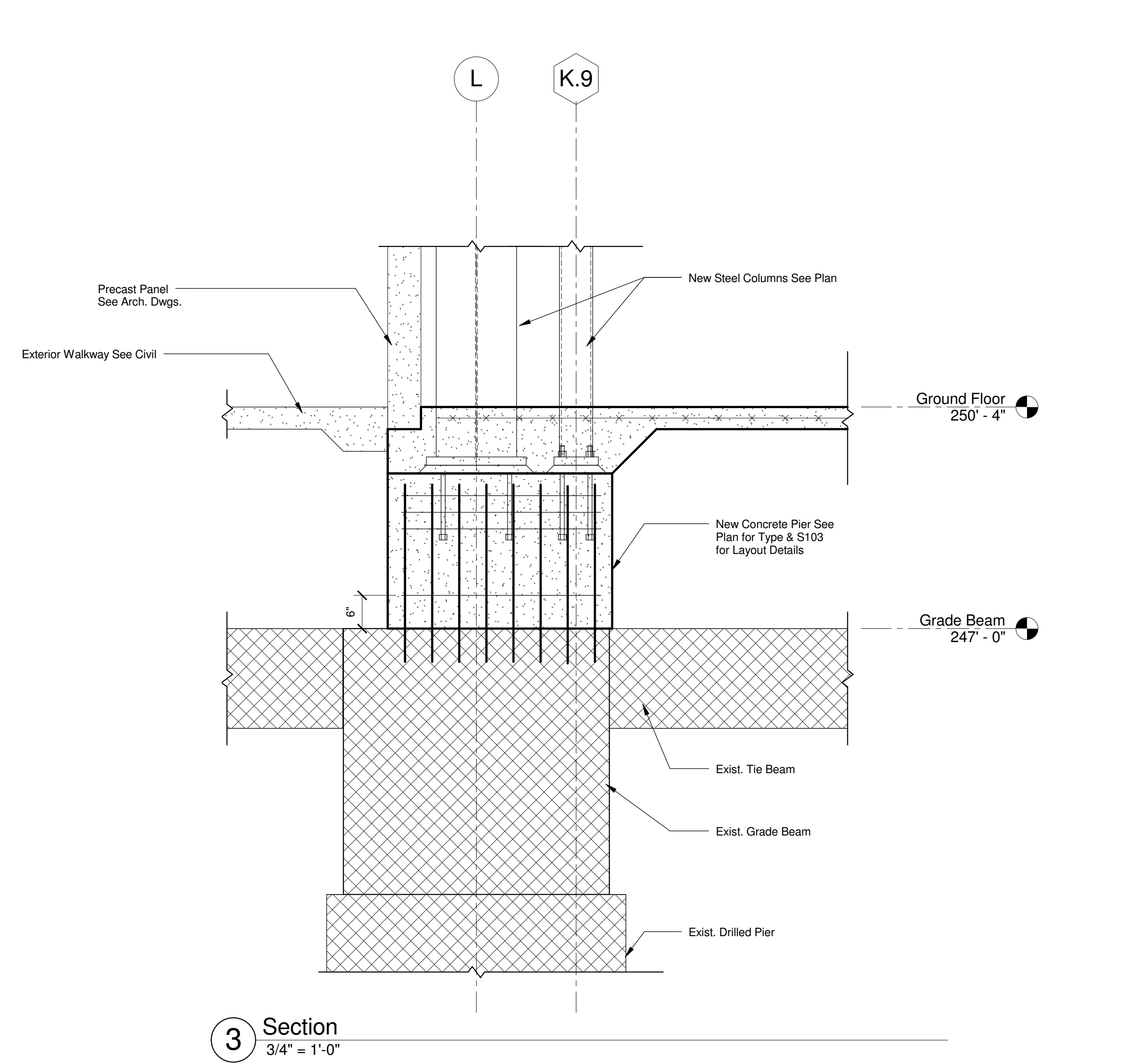
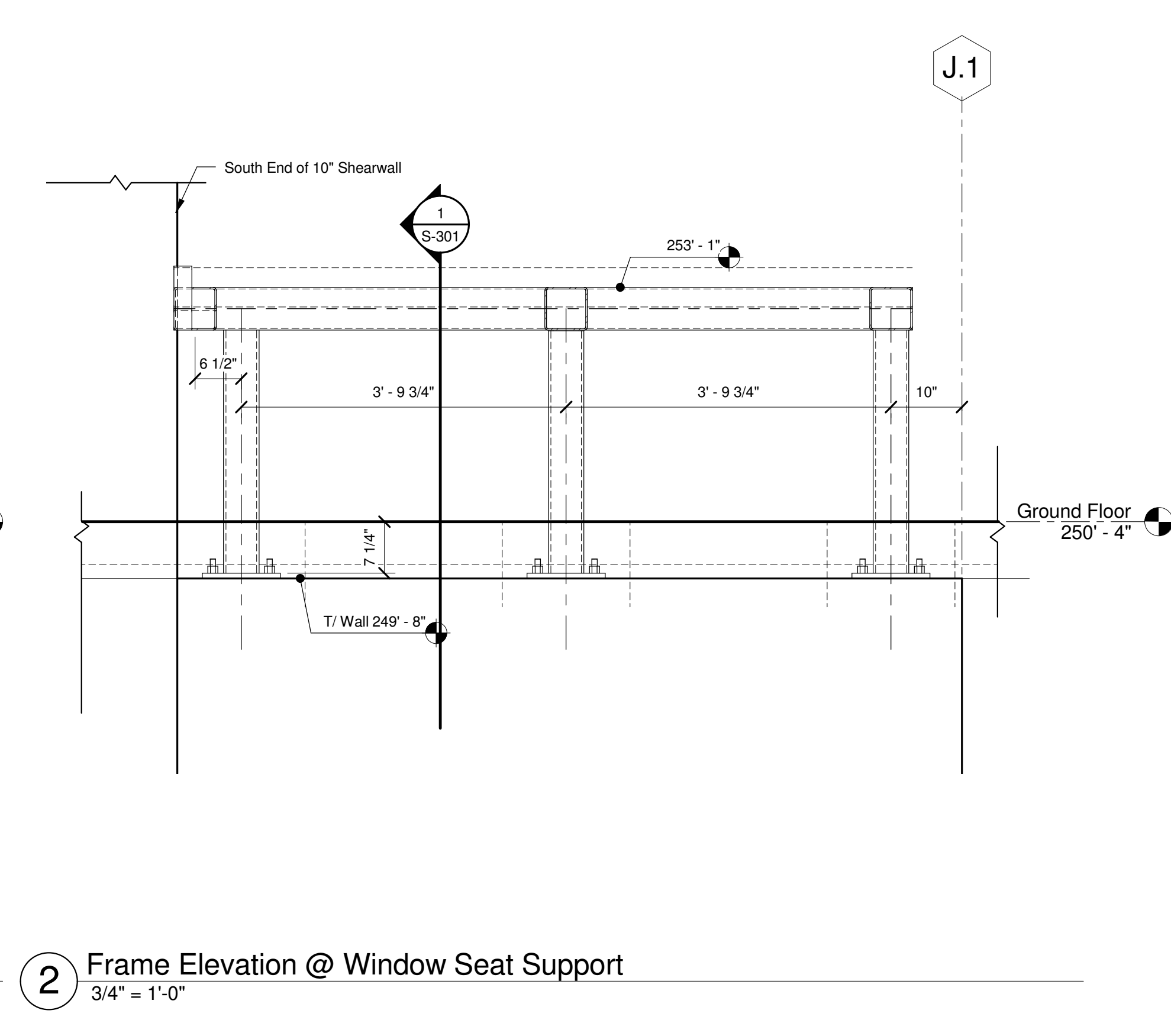
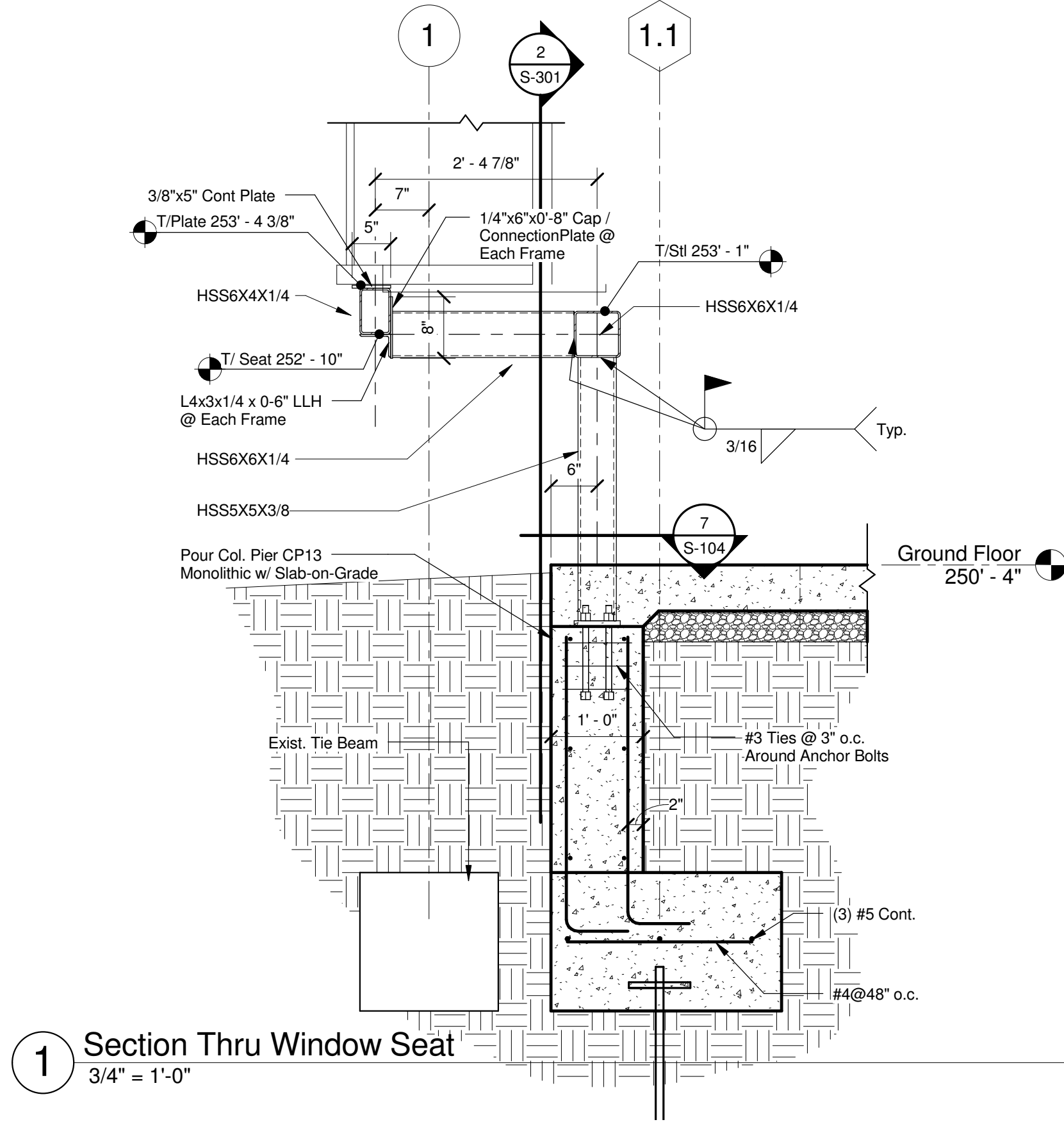
Hatch Legend

Existing Concrete	
New Concrete	
New Concrete House Keeping Pad	

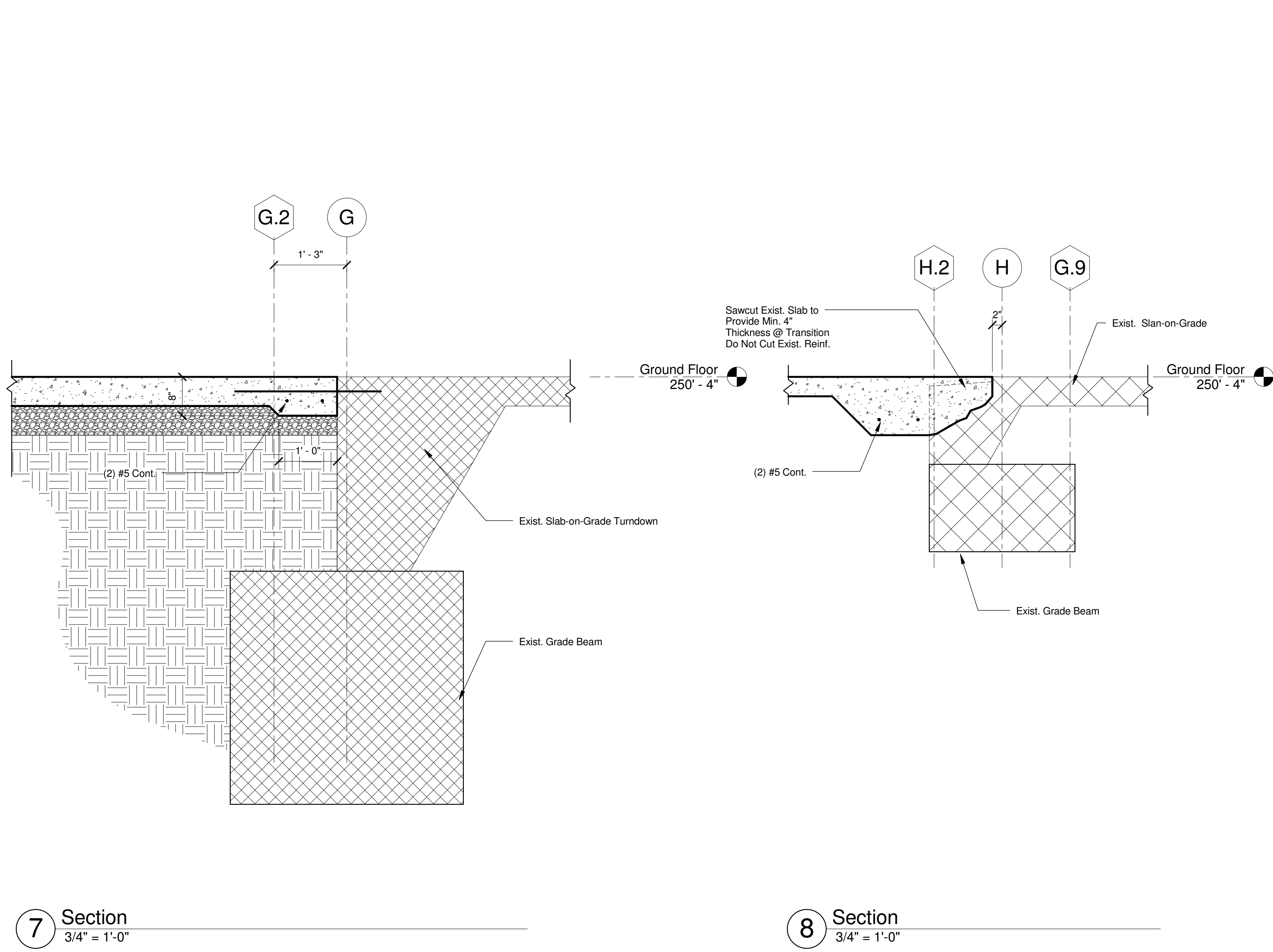
1 Level 2 Framing Plan
1/8" = 1'-0"

Revisions:	CONSULTANTS:	ARCHITECT/ENGINEERS:	DRAWING TITLE:	PROJECT TITLE:	PROJECT NUMBER:	
	Allen&Hoshall since 1915	brg3s architects	Level 2 Framing Plan	VA BUILDING 1A ENTRANCE EXPANSION	614-318	
		119 S. Main Street Suite 200 Memphis, Tennessee 38103			BUILDING NUMBER: 1A	
		t 901.260.9600 f 901.521.1337 w brg3s.com	APPROVED PROJECT DIRECTOR:	LOCATION: VAMC, Memphis, Tennessee	DRAWING NUMBER: S-202	
	Date:			DATE: Jan. 27, 2014	CHECKED: ARS	

three inches = one foot
one and one half inches = one foot
one inches = one foot
three quarters inch = one foot
one half inch = one foot
three eighth inch = one foot
one quarter inch = one foot
one eighth inch = one foot

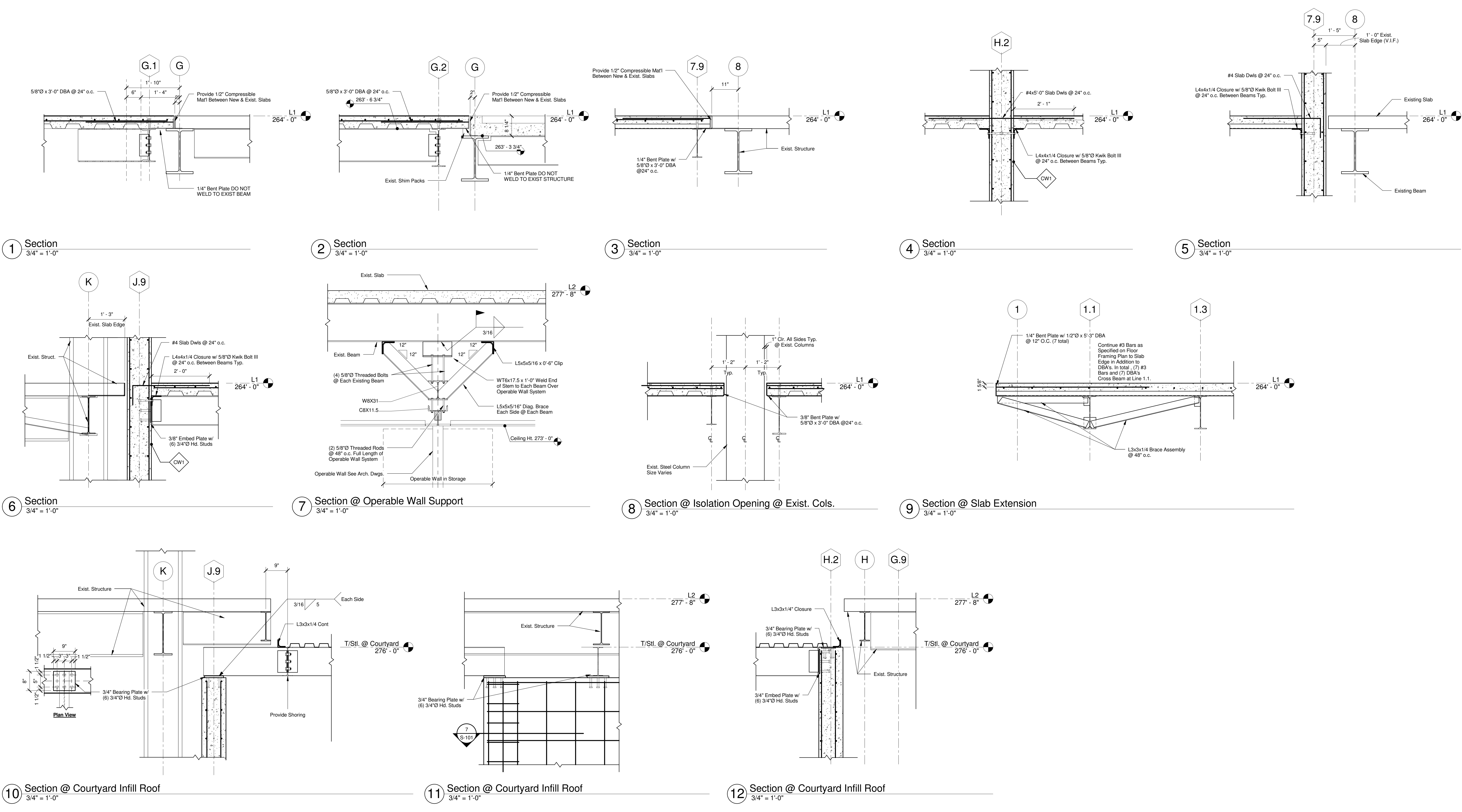


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		Allen&Hoshall since 1915		brg3s architects		Foundation Details		VA BUILDING 1A ENTRANCE EXPANSION		614-318					
				119 S. Main Street Suite 200 Memphis, Tennessee 38103 t 901.260.9600 f 901.521.1337 w brg3s.com		SCALE: 3/4" = 1'-0"		LOCATION: VAMC, Memphis, Tennessee		BUILDING NUMBER: 1A					
						APPROVED PROJECT DIRECTOR:		DATE: Jan. 27, 2014		CHECKED: ARS		DRAWN: JTS		DRAWING NUMBER: S-301	
												DWG. OF			

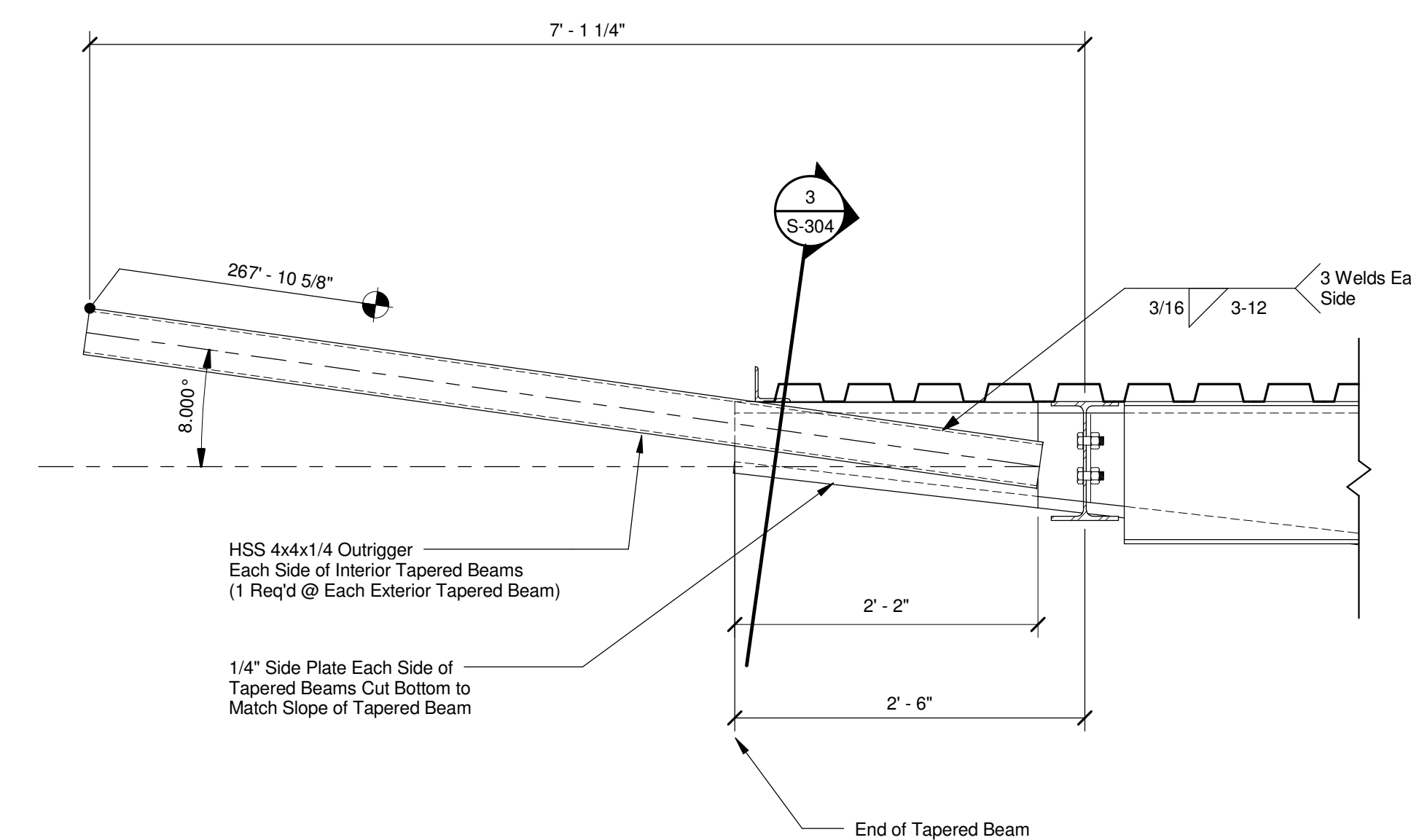


<div>Revisions:</div>		<div>CONSULTANTS:</div> <div> <div>Allen & Hoshall</div> <div>since 1915</div> </div>		<div>ARCHITECT/ENGINEERS:</div> <div> <div>brg3s architects</div> <div>119 S. Main Street Suite 200 Memphis, Tennessee 38103 t 901.260.9600 f 901.521.1337 w brg3s.com</div> </div>	<div>DRAWING TITLE:</div> <div>Foundation Conditions</div> <div>SCALE: 3/4" = 1'-0"</div> <div>APPROVED PROJECT DIRECTOR:</div>	<div>PROJECT TITLE:</div> <div>VA BUILDING 1A ENTRANCE EXPANSION</div> <div>LOCATION: VAMC, Memphis, Tennessee</div> <div> <div>DATE: Jan. 27, 2014</div> <div>CHECKED: ARS</div> <div>DRAWN: JTS</div> </div>	<div>PROJECT NUMBER:</div> <div>614-318</div> <div>BUILDING NUMBER:</div> <div>1A</div> <div>DRAWING NUMBER:</div> <div>S-302</div> <div>DWG. OF</div>	

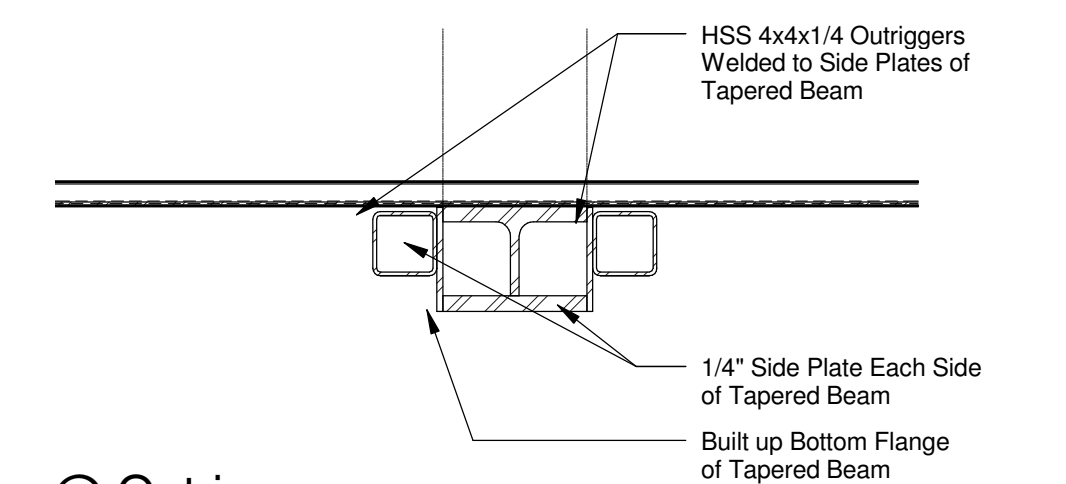
A
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one quarter inch = one foot
one eighth inch = one foot



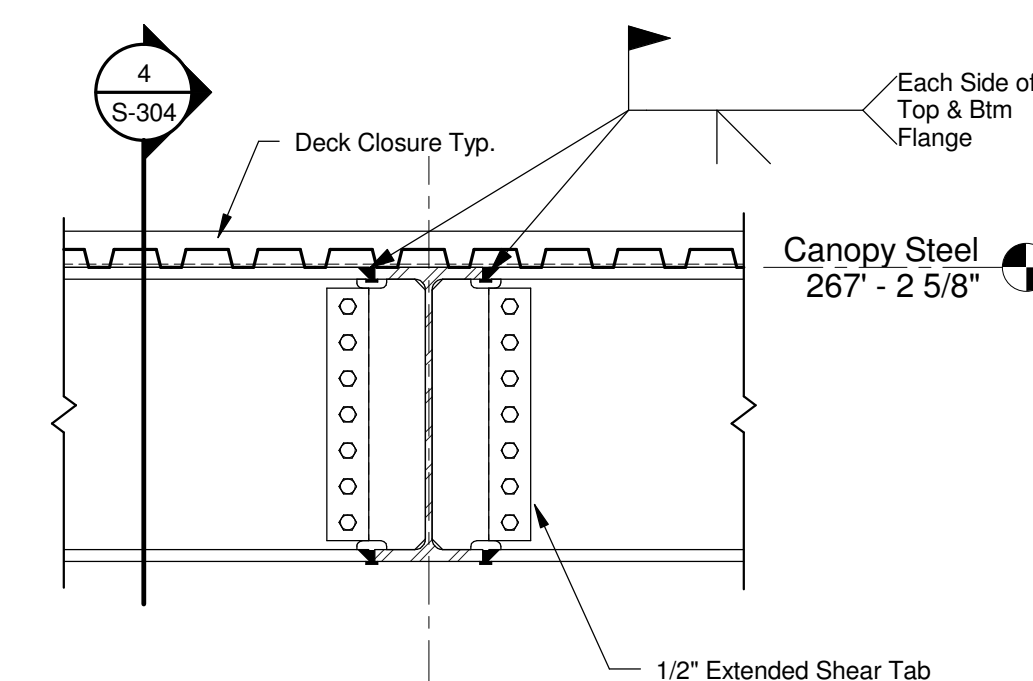
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2 Section @ Outrigger
1" = 1'-0"

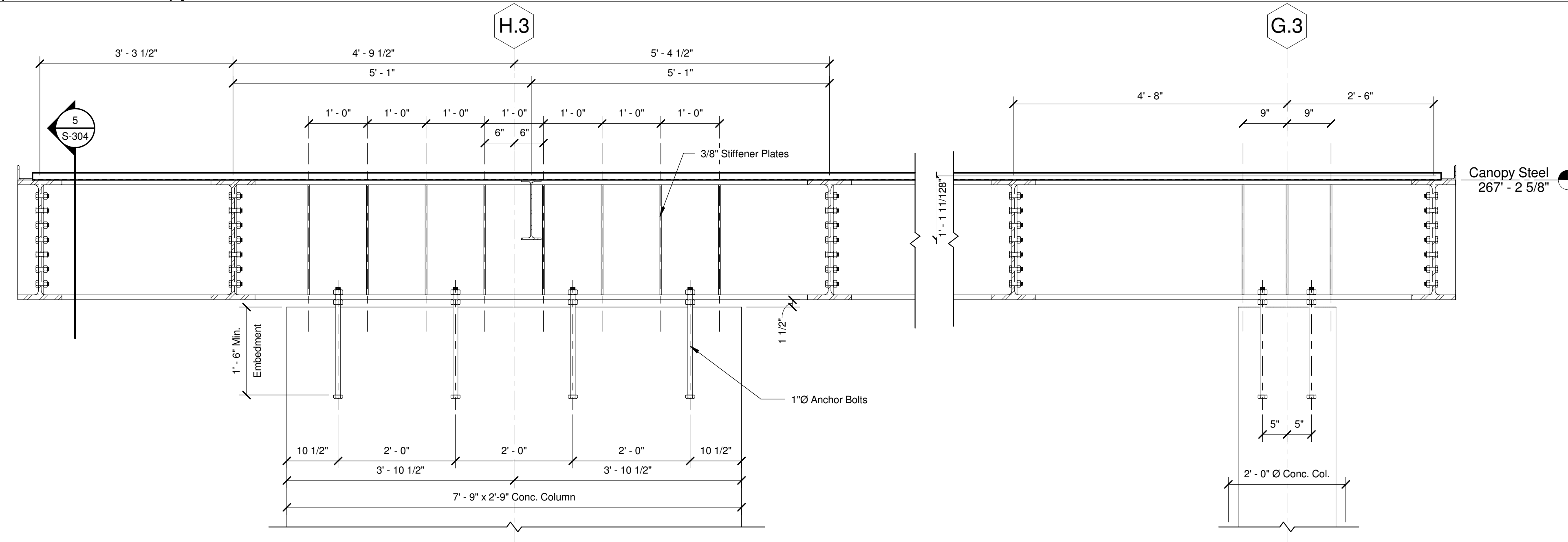


3 Section @ Outrigger
1" = 1'-0"

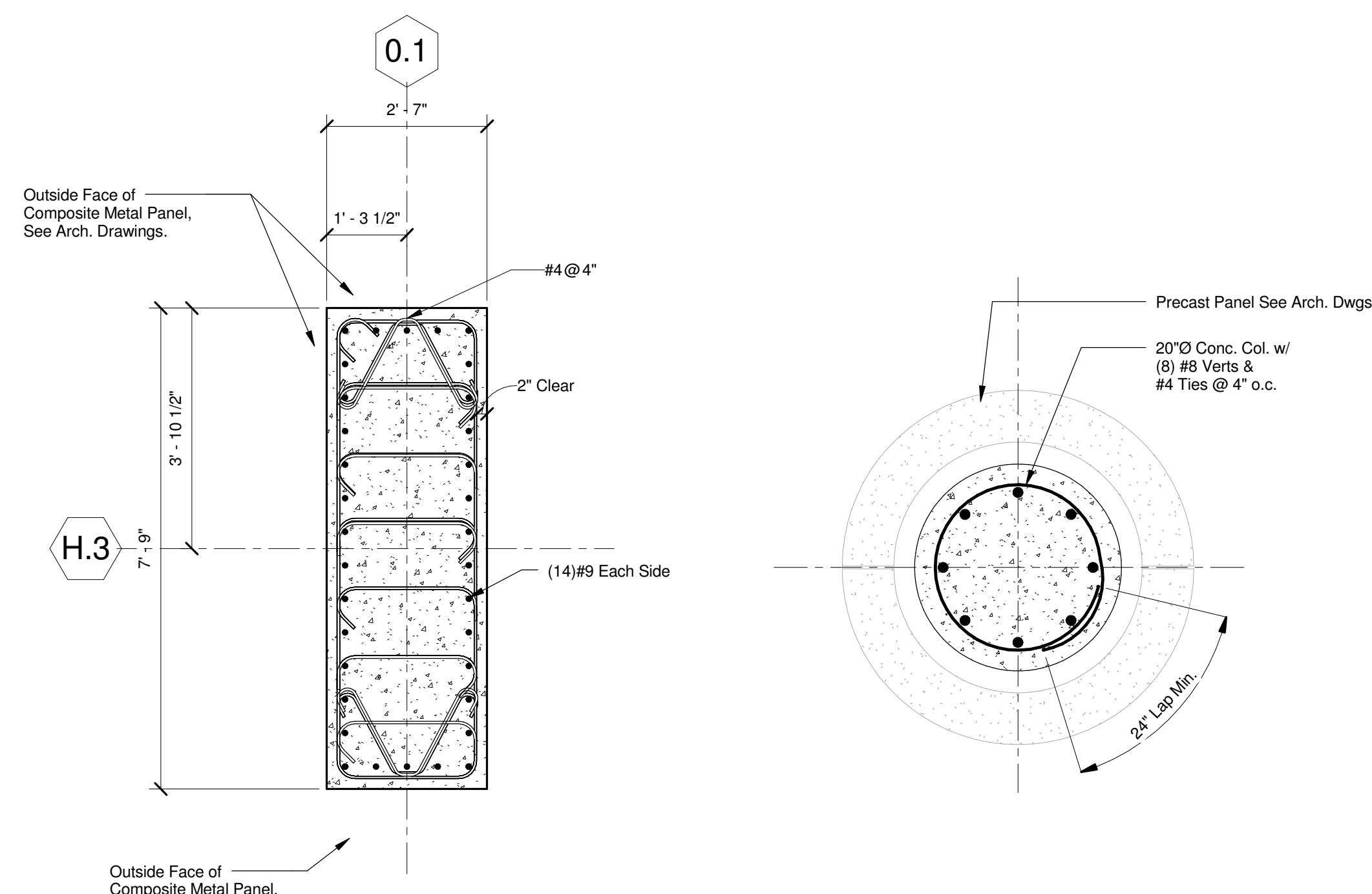


5 Section @ Canopy Framing
3/4" = 1'-0"

1 Section @ Tapered End of Canopy
3/4" = 1'-0"



4 Section @ Canopy Framing
3/4" = 1'-0"

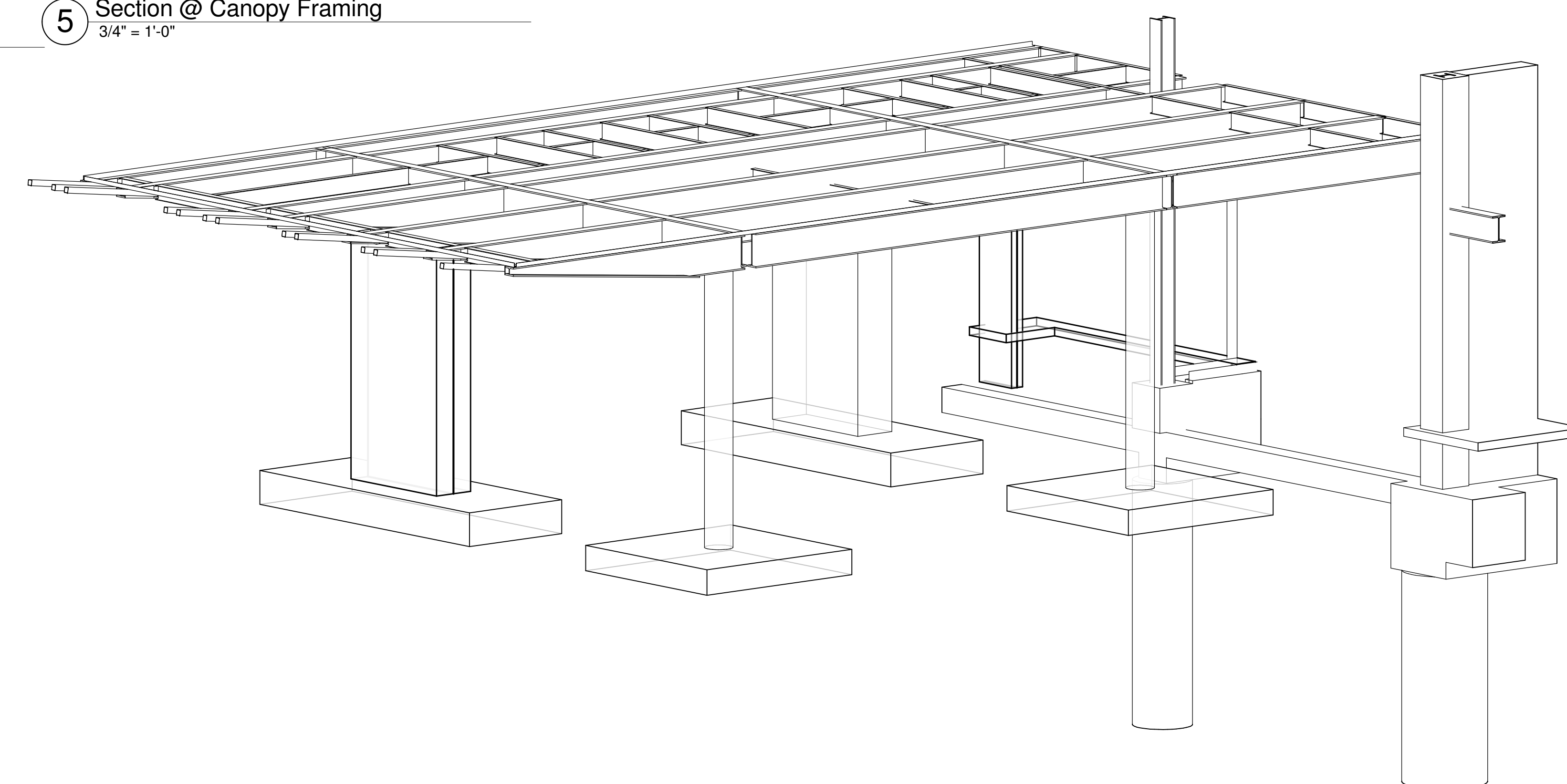


6 Plan of Rectangular Canopy Column
1/2" = 1'-0"

7 Plan of Circular Canopy Column
1" = 1'-0"

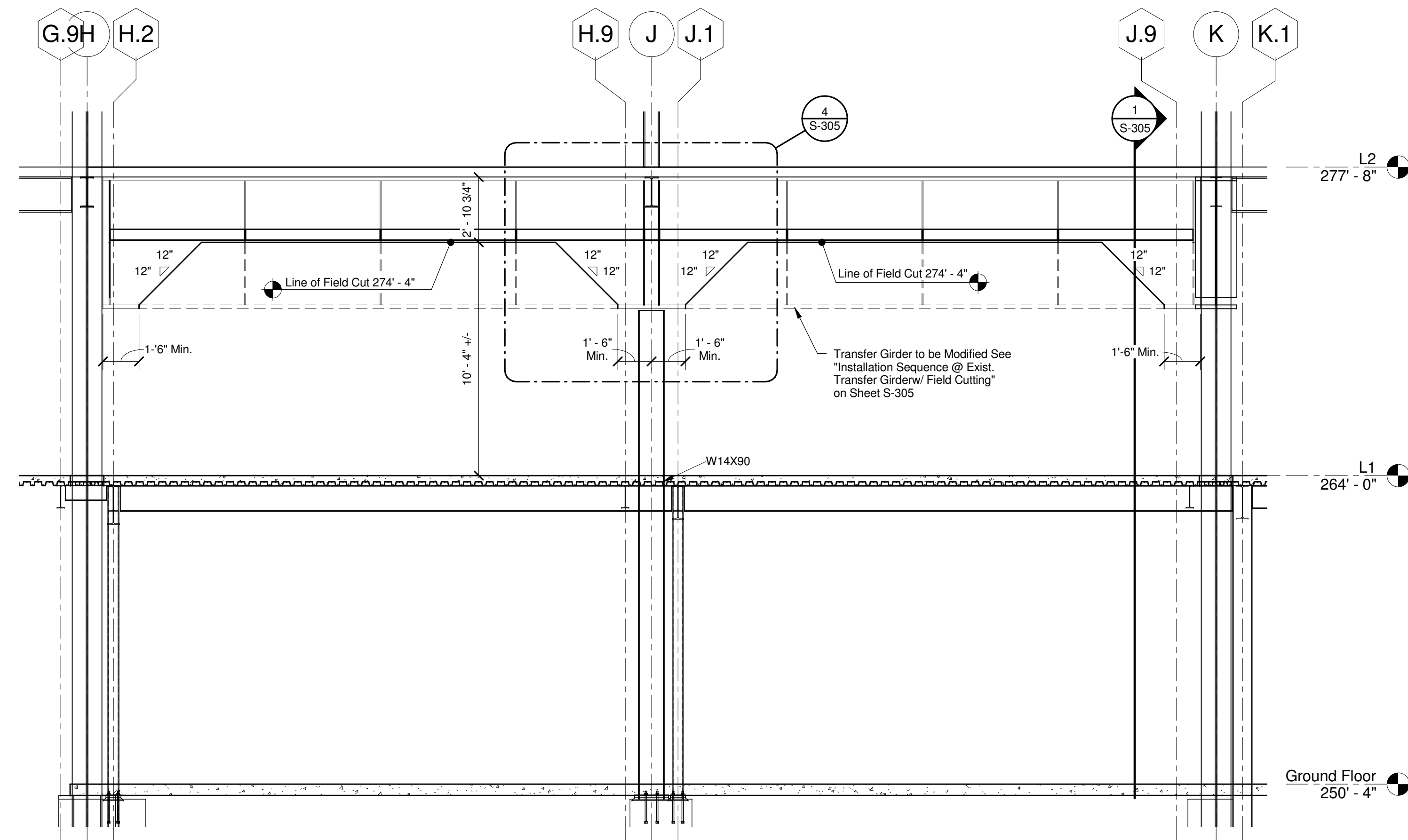
Base Bid Canopy Note

Canopy Sections & Details Shown on this sheet to be Included in the Base Bid
See Architectural Drawings for Description of Alternate No. 4 Canopy

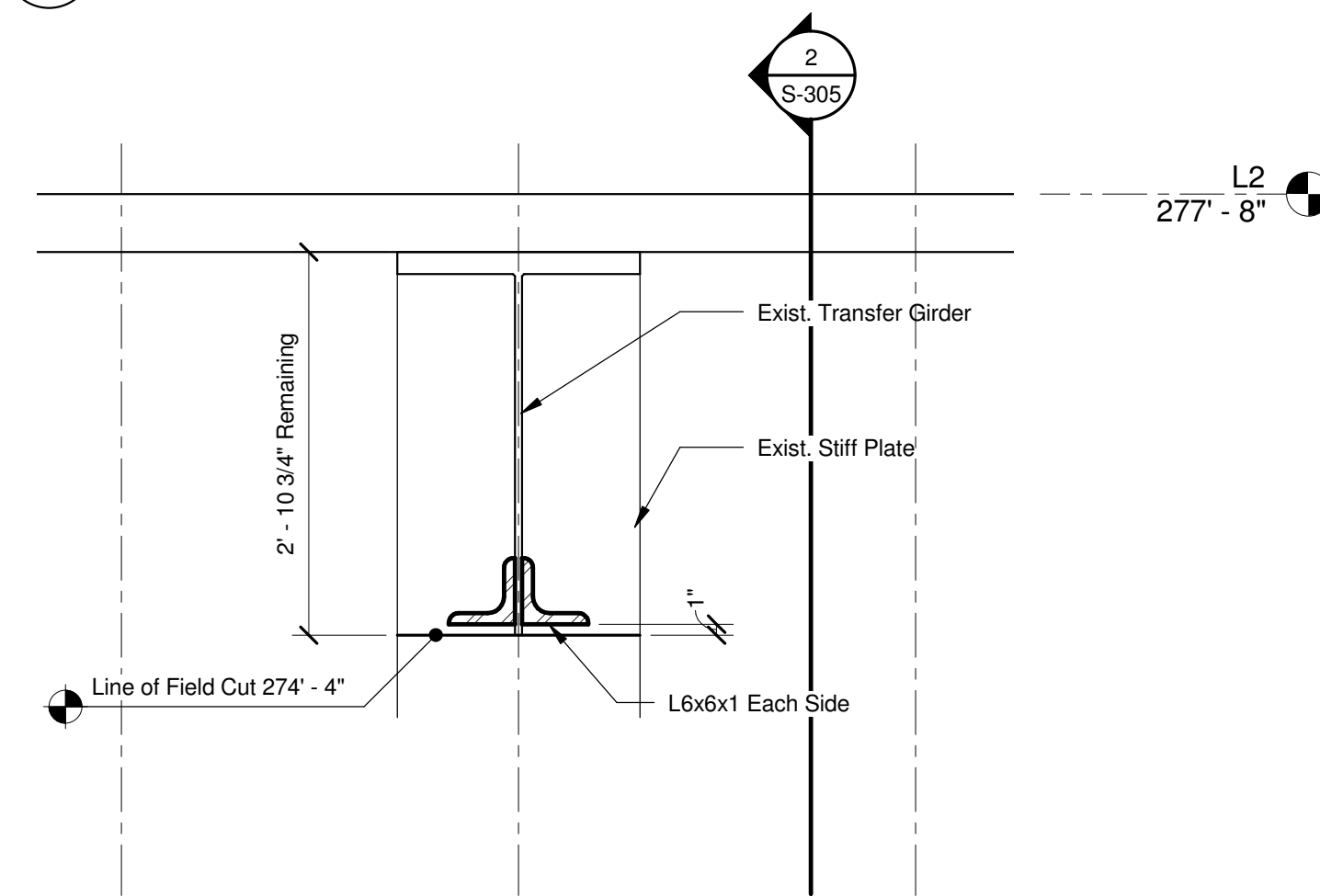


3D View - Entry Canopy

[illegible]



2 Building Section
1/4" = 1'-0"



4 Enlarged View of Field Cut of Transfer Girder
3/4" = 1'-0"

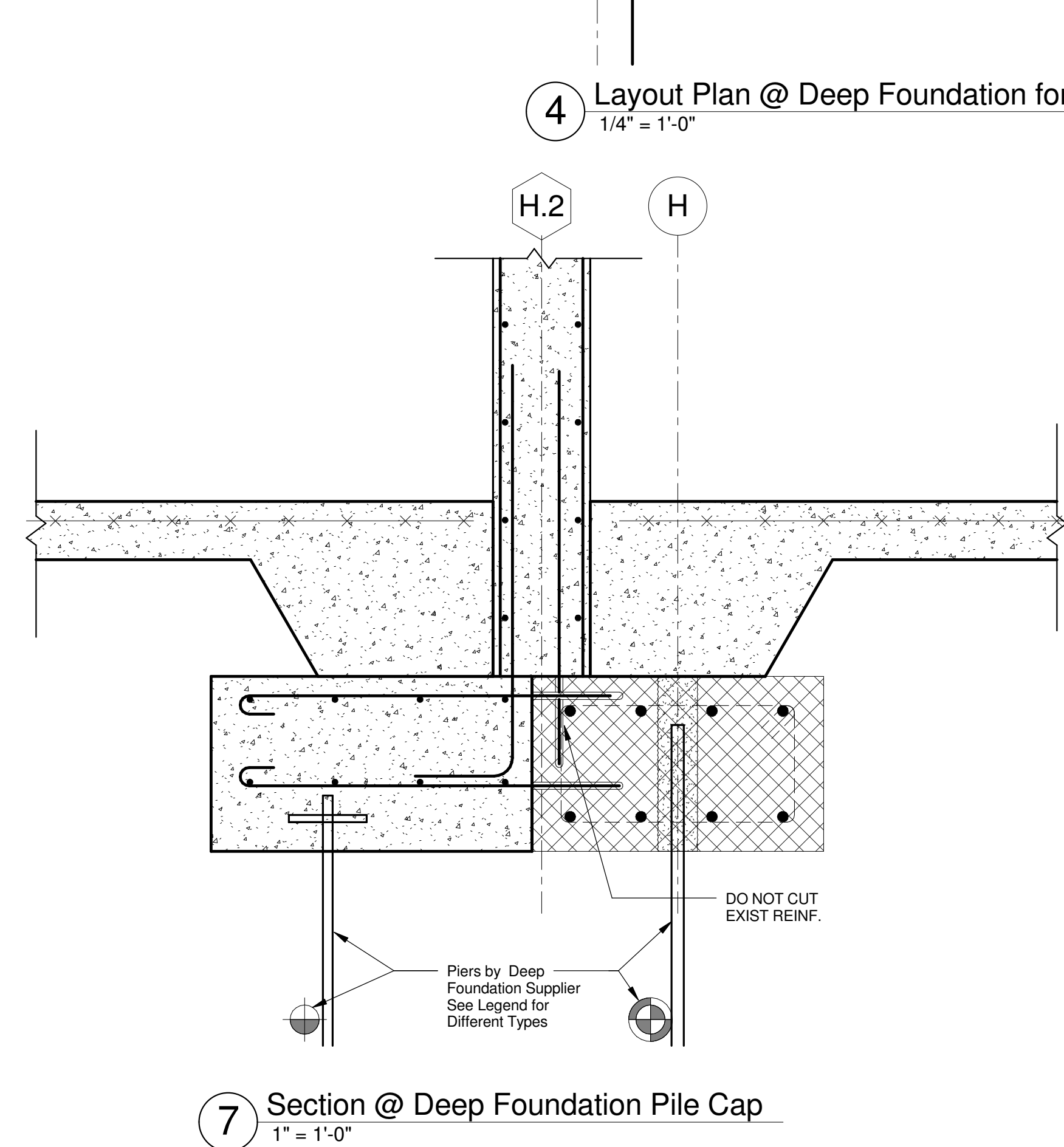
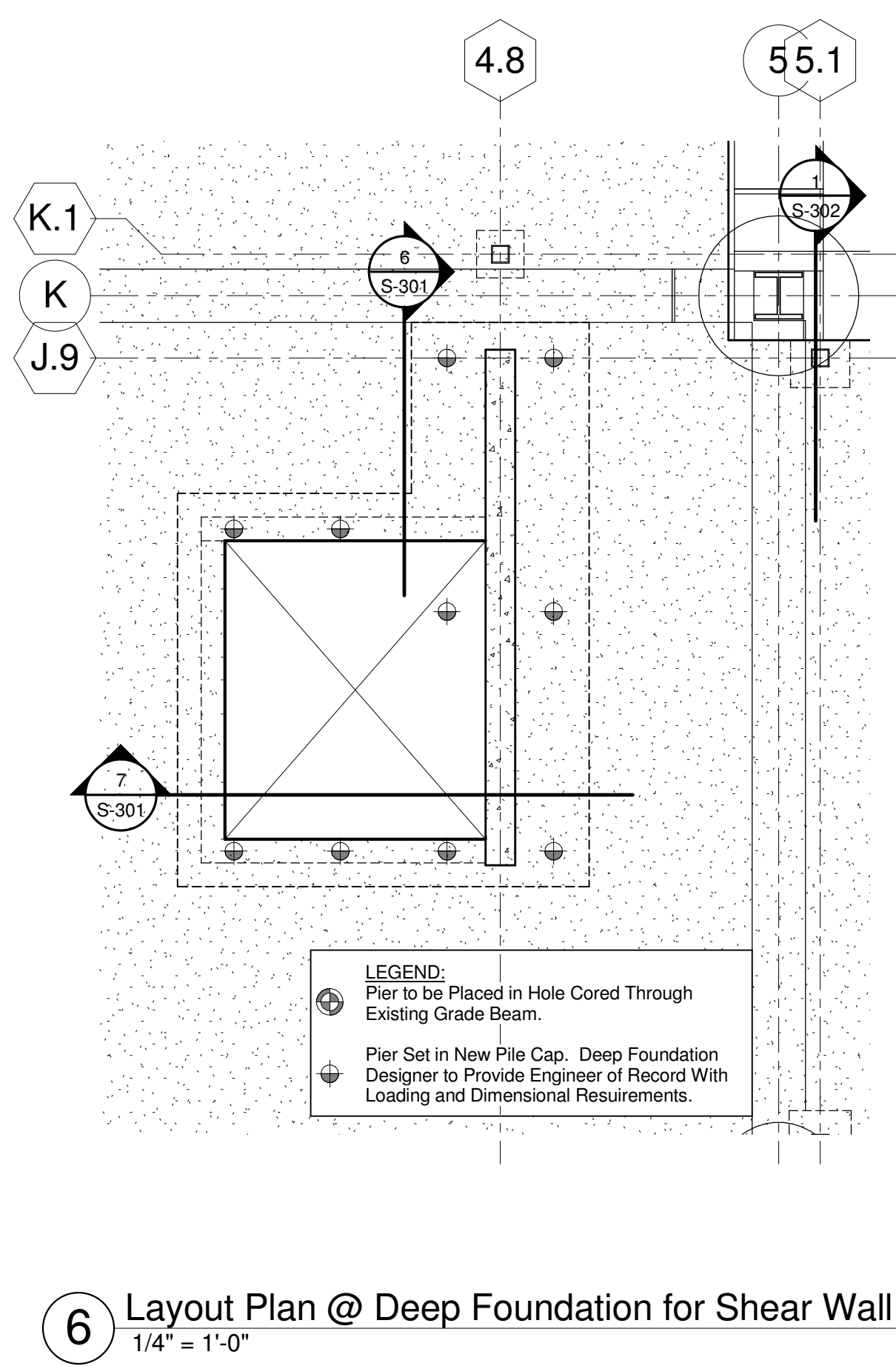
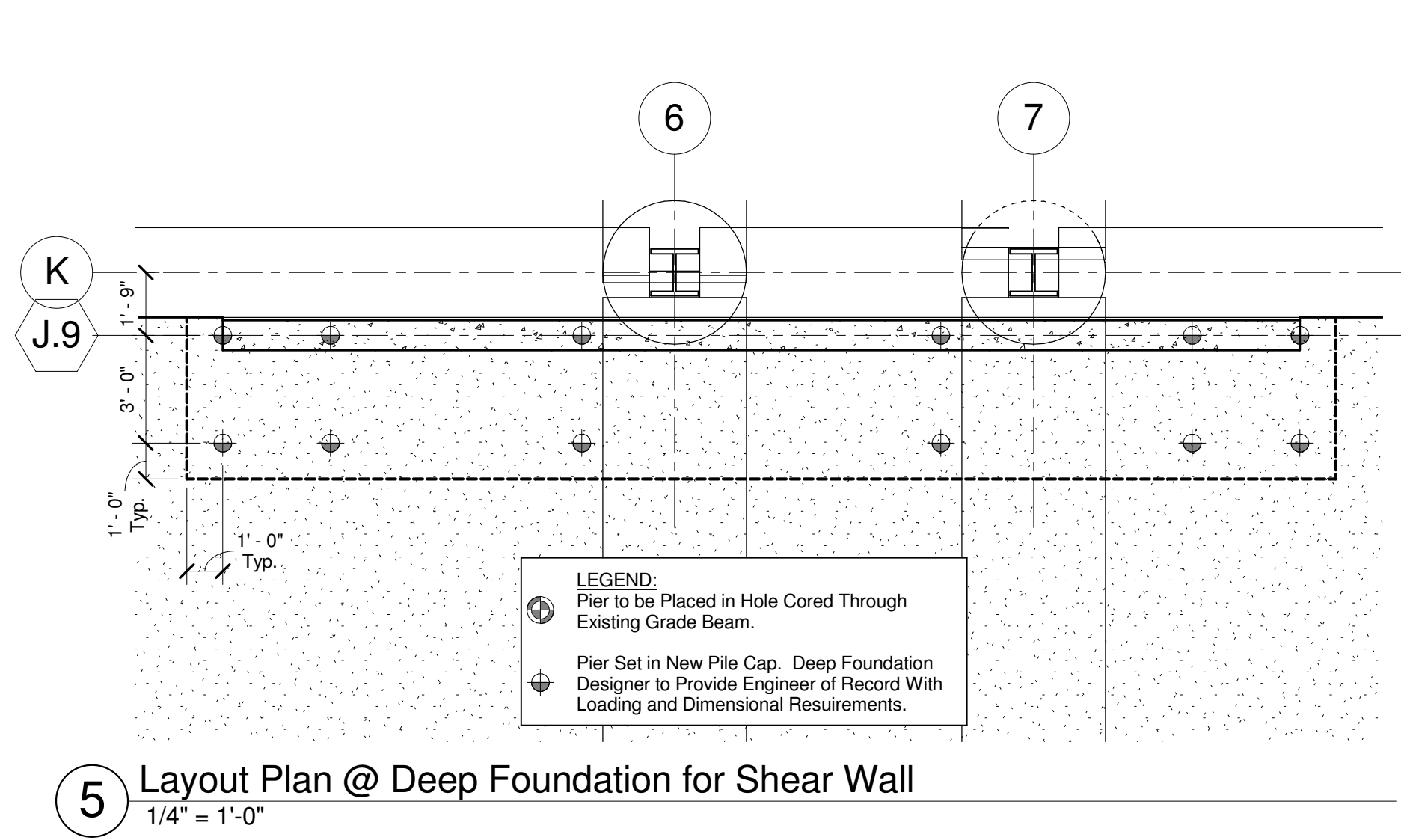
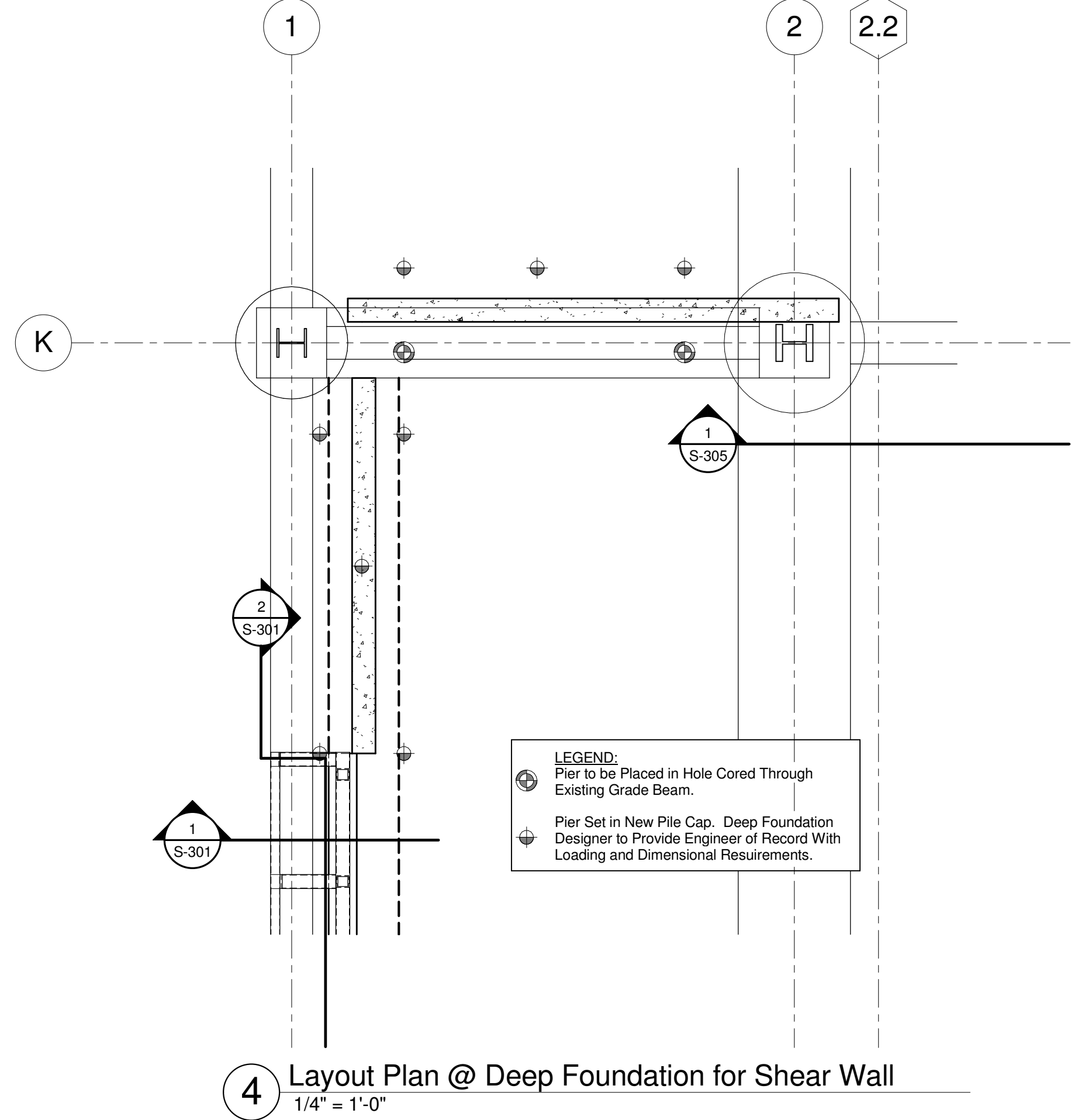
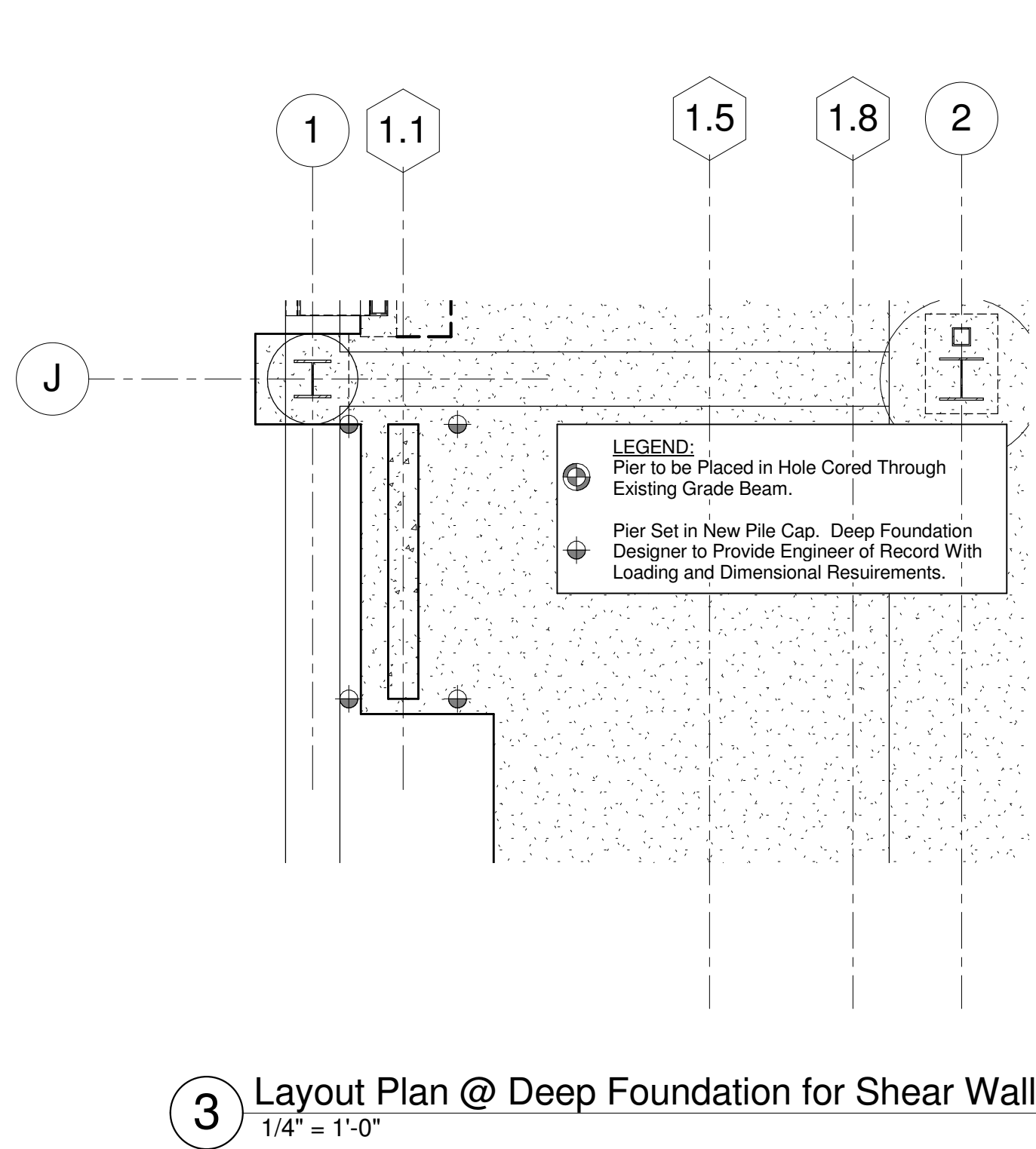
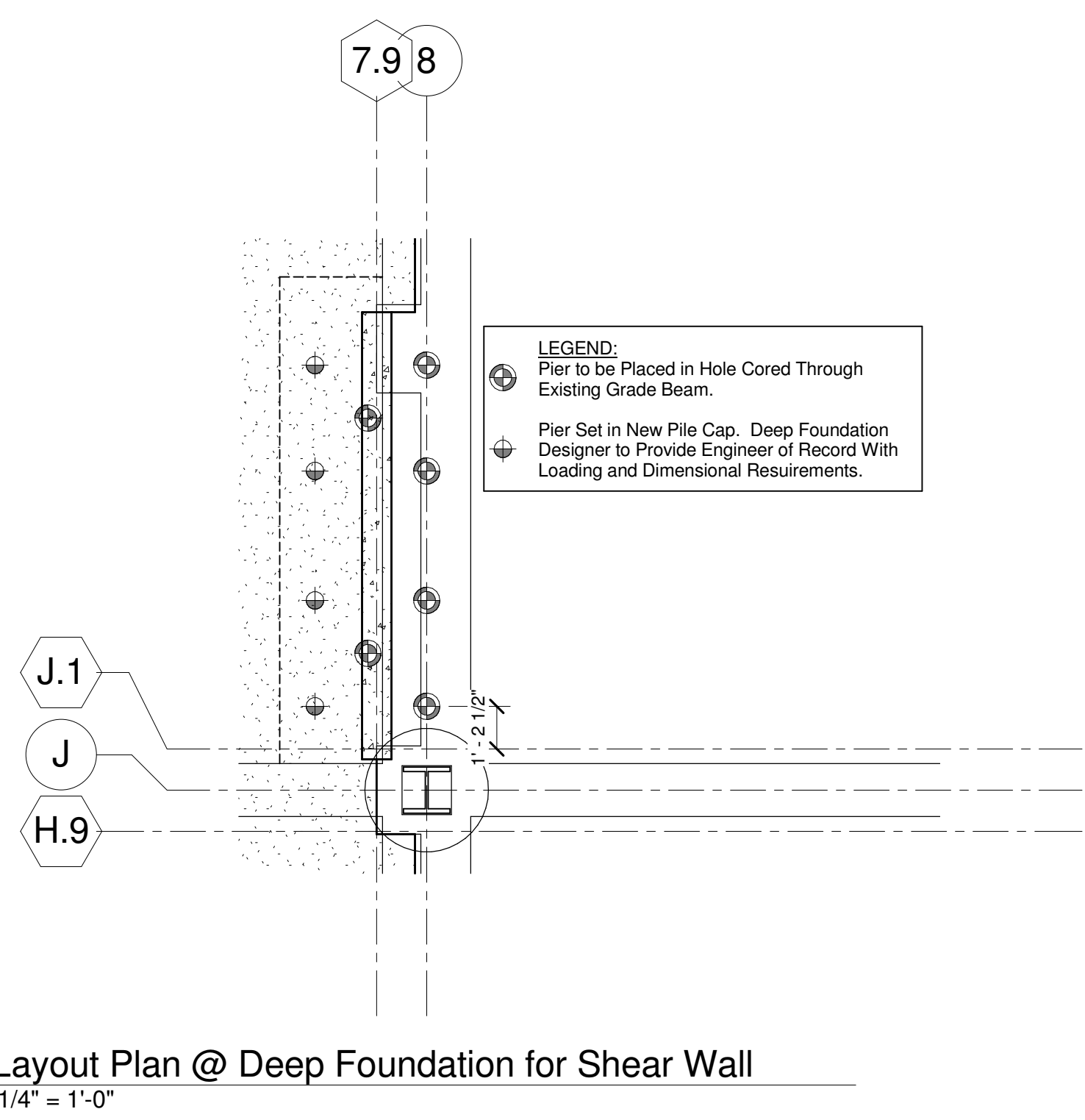
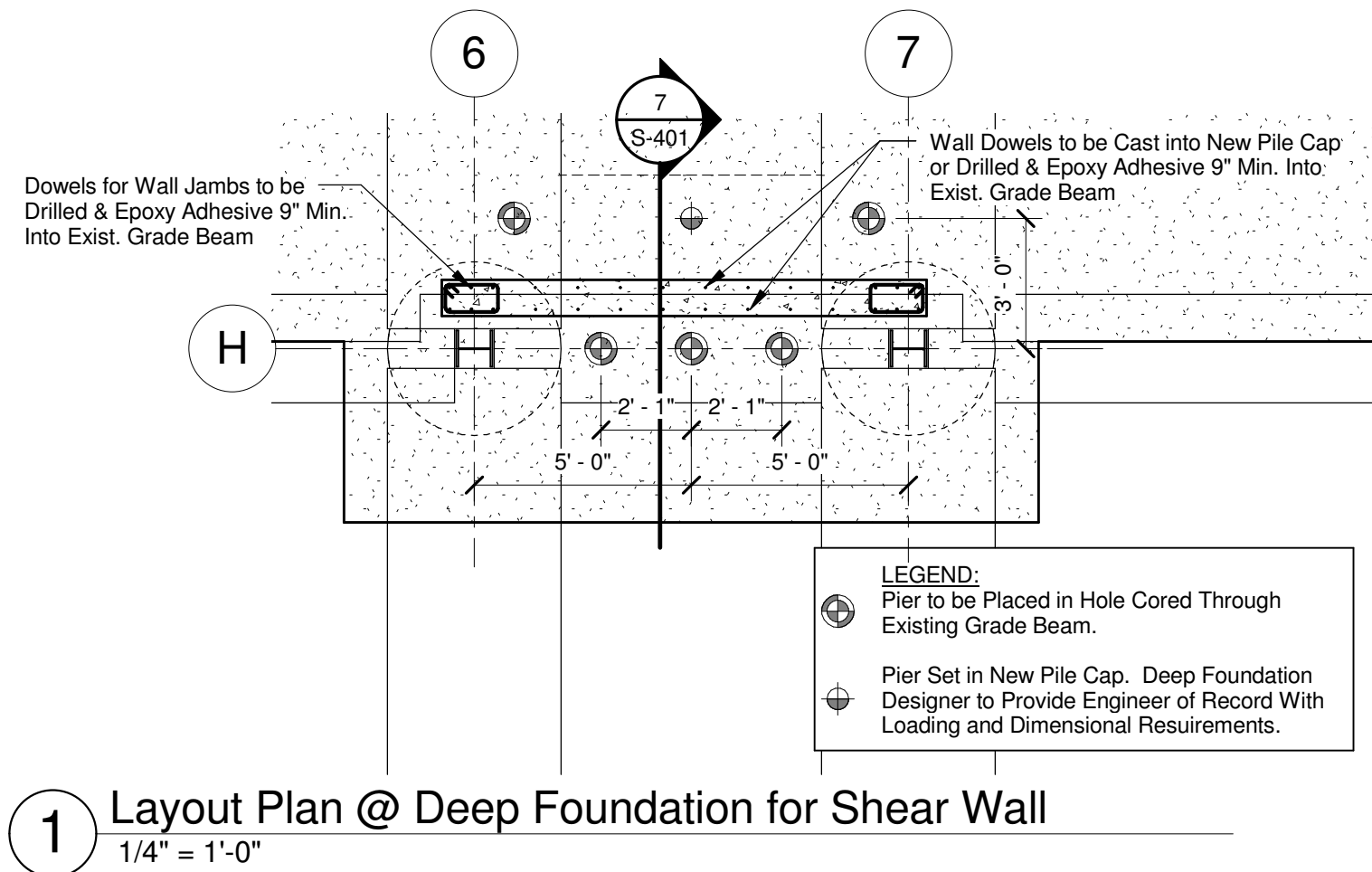
Installation Sequence @ Existing Transfer Girder w/ Field Cutting - (3 Locations)

1. Contractor to Field Verify & Measure All Existing Conditions Prior to Any Fabrication of Steel Begins. Advise A/E Team of Any Condition Not Shown on these Plans.
2. Contractor to Construct New Foundation Piers & Install New Steel Columns @ Mid-Span of Existing Transfer Girder.
3. Contractor to Jack New Column Against Bottom Flange of Existing Transfer Girder and Apply Upward Force as Directed in Table. Install High Strength Non-Shrink Grout Below Base Plate and Allow to Cure.
4. Once the Grout Under Base Plate has Cured, Contractor Can Remove Jacking Mechanism.
5. Install Lx6x Angle Between Existing Stiffener Plates on each Side of Existing Transfer Girder.
6. Verify That All Welds Have Been Completed.
7. Clearly Mark Where Field Cuts Are to Be Made.
8. Cut Existing Transfer Girder in a Manner That Portions of Steel can be Safely Removed Without Damage to Existing Baking or Work.

Grid Location	Upward Force
J-1	83 Kips
J-2	92 Kips
K-3	106 Kips
L-4	96 Kips
M-4	41 Kips

[illegible]

A
three inches = one foot
1
one and one half inches = one foot
6
B
2
one inch = one foot
6
C
three quarters inch = one foot
2
one half inch = one foot
0
D
4
one eighth inch = one foot
0
E
4
one quarter inch = one foot
0
F
4
one eighth inch = one foot
0



Revisions:	CONSULTANTS:	ARCHITECT/ENGINEERS:	DRAWING TITLE:	PROJECT TITLE:	PROJECT NUMBER:	
	Allen & Hoshall since 1915	brg3s architects	Deep Foundation Enlarged Plans	VA BUILDING 1A ENTRANCE EXPANSION	614-318	
		119 S. Main Street Suite 200 Memphis, Tennessee 38103 t 901.260.9600 f 901.521.1337 w brg3s.com	SCALE: As indicated	VAMC, Memphis, Tennessee	BUILDING NUMBER: 1A	
			APPROVED PROJECT DIRECTOR:	LOCATION:	DRAWING NUMBER: S-401	
				DATE: Jan. 27, 2014	CHECKED: ARS	